FORMER COMPUTER CIRCUITS SITE
145 MARCUS BOULEVARD, HAUPPAUGE, NEW YORK
CERCLA-02-2000-2036

2009 ANNUAL SITE MANAGEMENT REPORT

SUBMITTED TO:

United States Environmental Protection Agency
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New York, New York 10007

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PWGC
Strategic Environmental Engineering Solutions

SITE MANAGEMENT CERTIFICATION

P.W. Grosser Consulting, Inc. (PWGC) certifies for the calendar year 2009, qualified environmental professionals within my firm had primary direct responsibility for implementation of the remedial program for the Former Computer Circuits Superfund Site (CERCLA-02-2000-2036).

PWGC certifies that the Interim Remedial Measure (IRM) dated July 2005 and Remedial Action Work Plan (RAWP) dated May 2009, approved by USEPA on December 21, 2009, were implemented and that all requirements in those documents have been substantively complied with.

PWGC certifies that significant remedial activities, including operation of Soil Vapor Extraction (SVE) Systems under control of PWGC, were performed and/or overseen by qualified environmental professionals, and that environmental samples, including ambient air and SVE system influent, collected from the site were collected by qualified environmental professionals in accordance with the procedures detailed in the IRM and/or RAWP.

PWGC certifies that for the calendar year 2009:

- Existing on-Site Engineering Controls (ECs) are in-place and effective, and proposed Institutional Controls (ICs) have been provided to USEPA for review.
- Existing remediation systems at the site are performing as designed.
- The ability of existing ECs and ICs to protect the public health and environment have not been significantly impacted.
- The operation and maintenance plan for existing ECs was implemented as detailed.
- Access is available to the Site by EPA to evaluate continued maintenance of existing ECs and ICs.

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1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has been contracted by 145 Marcus Boulevard, Inc. to prepare an Annual Site Management Report for the former Computer Circuits Site, located at 145 Marcus Blvd, Hauppauge, New York. The site was placed on the National Priorities List (NPL) effective May 10, 1999 and assigned United States Environmental Protection Agency (EPA) Index No. CERCLA-02-2000-2036. This Annual Site Management Report has been prepared in accordance with Section 12.2 of the approved Remedial Action Work Plan (RAWP) (PWGC, May 2009). The RAWP was prepared as required by the Administrative Order for Remedial Action for Computer Circuits Superfund Site (CERCLA-02-2009-2015) (USEPA, April 1, 2009) and the Record of Decision (ROD) for Computer Circuits Superfund Site (EPA, September 2008) to specify the ongoing and future activities necessary to implement the remedy selected for the site. The RAWP was approved by EPA on December 21, 2009.

1.1 Site Description

The former Computer Circuits site is a 2.5 - acre industrial site located within an industrial park in Hauppauge, New York (Figure 1). It is bordered by Marcus Boulevard to the west and other industrial/commercial businesses to the north, south, and east. The site is occupied by a 21,600 square foot, one-story building, which is located near the center of the site (Figure 2). Asphalt driveways and parking areas are present to the north, south, and east of the building, and extend the length of the property. The paved areas and building area occupy approximately 50 percent of the total area of the site. The remainder of the site consists of a landscaped area (75 x 240 ft) at the front (west side) of the building, and a vacant, unpaved area approximately 60 ft x 150 ft to the rear (east) of the building. A thin wooded strip is present (approximately 10 to 15 ft wide) at the rear of the vacant area along the east property line. The approximate building interior layout is illustrated in Figure 3.

There are no underground or aboveground storage tanks at the site. The heating system is fueled by natural gas which is piped to the site via underground connections along the north side of the building. Sanitary wastes are discharged to an on-site septic system located at the front (west side) of the building. There are multiple storm drains (catch basins) present on the site located in the east parking lot.

1.1.1 Site Topography

The topographic relief at the site is generally flat with a gentle slope to the west toward Marcus Boulevard. At the very rear of the site, along the east property line the land surface drops steeply approximately eight feet to the neighboring property.

1.1.2 Regional Geology/Hydrology

The former Computer Circuits site is underlain by glacial deposits, specifically the Ronkonkoma Terminal Moraine, which consists of heterogeneous sand, gravel, and boulders with occasional silt and clay lenses. Glacial deposits are approximately 150 feet in thickness and underlain by more than 1000 feet of Cretaceous coastal plain sediments. The Smithtown Clay is seen one to two miles to the west of the site at a depth within the glacial sediments of up to 100 feet (Lubke, 1964).

The uppermost of the Cretaceous formations is the Magothy, which consists of more than 600 feet of highly stratified layers of sand, gravel, silt and clay that dip gently to the southeast. The Magothy Formation is underlain by the Raritan Clay Member and the Lloyd Sand Member, respectively. These formations are underlain by an erosional bedrock surface composed of granite, diorite, gneiss and schist (Lubke, 1964).

The saturated highly permeable glacial sediments and the underlying Magothy Formation are regarded as the upper aquifer (Lubke, 1964). Long Island is made up of a series of sand and gravel aquifers. All of Long Island's water supply comes from underground water held in aquifers. Three major aquifers make up the Long Island aquifer system. In sequence from shallowest to deepest, the major Long Island aquifers are: the Upper Glacial, the Magothy and the Lloyd Aquifers. The Ronkonkoma Moraine area is a recharge area in which groundwater flow has a downward component, which likely transports groundwater from the glacial deposits to the Magothy formation. The site is situated some distance north of a regional groundwater divide with groundwater flowing to the northeast, east and southeast. Located north of the divide, groundwater in the vicinity of the site generally flows in an east-northeast direction toward the headwaters of the Nissequogue River. The glacial water-table elevation may be slightly higher than the potentiometric surface of the Magothy beneath the site (see Figure 12 RI Report December 2006 - Regional Magothy Potentiometric Surface, March 1983); however, the water table elevation declines more rapidly to the north and east, so that the vertical component becomes upward. Estimated hydraulic conductivity for the glacial sediments in this area is 200 ft/day (McClymonds and Franke, 1972).

1.1.3 Site Geology/Hydrology

The former Computer Circuits site overlies an interconnected aquifer system consisting of the upper glacial deposits and the underlying Magothy Formation. Depth to groundwater in the underlying glacial aquifer is approximately 100 feet below land surface (bls). The saturated thickness of the Upper Glacial Aquifer at the site is approximately 95-110 feet based on an estimated depth of 200 feet to the surface of the Magothy Aquifer. The lithologic description of the upper sediments from soil borings advanced during previous investigations at the site identifies the materials as fine sand with small amounts of gravel to a depth of 60 to 70 feet bls. The sand becomes coarser with depth, grading into a medium sand from 70 to 100 feet bls followed by a medium to coarse sand from the water table to a depth of approximately 130 feet bls. From 130 feet to 200 feet bls the material then returns to a fine to medium sand.

According to previous investigations performed at the site, including the Remedial Investigation/Feasibility Study (RI/FS) documented by The Remedial Investigation Report for the Former Computer Circuits Site (PWGC, December 2006) and The Feasibility Study for the Former Computer Circuits Site (PWGC, June 2007), groundwater flow is generally northeast to east at an average gradient of 0.001 ft/ft, with some localized variations. The horizontal hydraulic conductivity across the site, as determined from rising head tests performed in the site monitoring wells, ranged from 51 to 177 ft/day with a mean value of 130 ft/day. Using the average water table gradient of 0.001 and a porosity of 25 percent, the groundwater seepage velocity of the site ranges from 0.23 to 0.78 feet per day with a mean of 0.57 feet per day.

There are no surface water bodies near the site. Artificial recharge basins are located throughout the industrial park to accept storm water run-off from roadside catch basins. Since the depth to groundwater in the area is approximately 100 feet below surface, the water table surface does not intersect the bottom of these structures.

1.2 Site History

From 1969 to 1991, the property was owned by MCS Realty and leased to various companies. Computer Circuits was the first tenant and occupied the entire property from 1969 to 1977. From 1977 to 1980 the site was leased to a trade school. NAV-TEC, an assembler of electronic components, occupied the site from 1980 to 1983, followed by a tax form preparation company (TYMSHARE) from 1983 to 1989. In July of 1991, MCS Realty sold the property to 145 Marcus Boulevard Corporation. The site was most recently occupied by Algorex Power and Control Electronics, Incorporated (APACE), an electronics manufacturing and design company specializing in power and motion control products. APACE vacated the property in April, 2002 and the property remained vacant until the Fall of 2005, at which time the southwest corner of the building was occupied by Castle Financial Advisors.

Computer Circuits was a manufacturer of printed circuit boards for both military and commercial applications. Waste liquids from the circuit board manufacturing process (containing copper sulfate, nickel, sulfuric acid, hydrochloric acid, lead fluoroborate, fluorides, copper, gold cyanate, ammonia, lead, nitric acid, and tin) were discharged to five industrial leaching pools located southeast of the building. Photographic chemicals and trichloroethylene, associated with a dark room and the silk screening room located in the northern part of the facility, were discharged to a single industrial leaching pool on the north side of the building. In January of 1973, a pipe connection was discovered between the Computer Circuits industrial leaching pools on the south side of the building and a catch basin on Marcus Boulevard by the Suffolk County Department of Environmental Control (SCDEC). After the connection was removed in 1974, wastewater was observed flowing over the surface of the ground into the storm drain system. In 1975, Computer Circuits applied for and was issued a State Pollution Discharge Elimination (SPDES) Permit (No. 0075485) from the New York State Department of Environmental Conservation (NYSDEC). The permit, which was effective from April of 1975 to April of 1977, regulated the discharge of copper, iron, lead, nickel, silver and phenol to the industrial leach pool system.

On numerous occasions between 1976 and 1977, the SCDEC collected samples from the industrial leaching pools and found that copper and lead were consistently detected at levels above the SPDES permit limits. An inspection conducted in 1976 revealed that the site was littered with trash, broken barrels, and spilled piles of chemicals and blue/green colored sludge.

In 1976, in response to requests by the SCDEC, Computer Circuits hired a contractor who excavated and filled the five industrial leaching pools located near the southeast corner of the building and installed two new leaching pools in this general area, which were also intended for industrial waste disposal. In 1977, the SCDEC traced the building's plumbing to identify connections to two leaching pools located on the north

side of the building. It was determined by the SCDEC that one of the pools was part of a sanitary system that was connected to an unused bathroom. The second pool was connected to sinks which were located in a silk screen fabrication room and a photographic dark room. The silk screening process utilized trichloroethylene (TCE) to remove ink from the screens prior to rinsing with water in the sink. The industrial leaching pool was reported to be completely "clogged" and was capped inside the building sometime between 1977 and 1978 (SCDEC). Computer Circuits vacated the premises in 1978.

1.3 Summary of Previous Investigations and Enforcement Actions

The following is a brief chronological summary of the sampling/analytical programs and remedial actions conducted at the former Computer Circuits site, as well the regulatory activities that enforced these actions. The locations of the monitoring wells referenced in this section illustrated by Figure 3.

Suffolk County Department of Health Services, Water Pollution Control Unit (formerly SCDEC), 1976 and 1977

SCDEC sampled the five on-site industrial leaching pools and found exceedances for copper and lead. Additional actions during this period are discussed the preceding section.

NYSDEC, 1977

The NYSDEC obtained an injunction against Computer Circuits and all site operations ceased. Computer Circuits later vacated the site.

NYSDEC, December, 1986

The NYSDEC placed the site on the New York Registry of Inactive Hazardous Waste Disposal Sites under a Class 2 classification, meaning that the site posed a significant threat to the public health or the environment and that further action will be required.

Roux Associates, Inc., May 3, 1989

Roux Associates, under contract to the former property owner (MCS Realty), conducted a soil and groundwater investigation at the site, as required by the NYSDEC under an Order on Consent (Number W10061885) between the NYSDEC and the former property owner, MCS Realty. A magnetometer survey was conducted. Ten soil borings were drilled at various locations throughout the site, including west of the building, near the industrial leaching pools at the southeast and northwest corners of the building. Three monitoring wells, MW1, MW2 and MW3 were installed and sampled. Volatile organic compounds (VOCs) were not detected in the soil above NYSDEC guidance values. Groundwater analysis from the monitoring wells indicated VOCs, including trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and 1,1,1-trichloroethane (1,1,1-TCA) present above NYSDEC standards and metals including cadmium, chromium, copper, lead, nickel and zinc present at concentrations below NYSDEC standards. No significant anomalies were detected during the magnetometer survey.

PWGC, May 1994

PWGC, as consultant for the new property owner, 145 Marcus Boulevard Corporation, investigated a sinkhole at the site, located southeast of the corner of the building. Construction debris and a barrel containing a nickel solution were discovered in the sinkhole area. This material was excavated, stockpiled, and removed from the site in November 1995.

PWGC, September through November 1995

PWGC, as consultant for the property owner conducted a soil quality investigation. Five soil borings were drilled, one near the main sanitary cesspool system west of the building, one at the industrial leach pool located on the north side of the building, and three around the former location of the industrial leaching pools south of the building. Groundwater samples were also collected from the three existing monitoring wells at this time. VOCs were not detected in the soil samples above NYSDEC guidance values. Metals including lead, silver, copper, nickel and zinc were detected in the soil samples above the NYSDEC guidance values. Groundwater samples indicated the presence of VOCs, including TCE, 1,2-DCE and 1,1,1-TCA and tetrachloroethene (PCE) above NYSDEC standards. Metals including zinc were detected slightly above the NYSDEC ambient water quality standards (AWQS). Additional stained soil was also removed from the sinkhole area and the remains of a leaching pool, believed to be one of the two industrial replacement pools, were discovered.

Parsons Engineering, February 1996

Parsons Engineering, under contract to NYSDEC, conducted a soil vapor survey at the site. The samples were analyzed, using a mobile laboratory, for TCE, 1,1,1-TCA, and 1,2-dichloroethane (1,2-DCA). Elevated levels (>10,000 ppb) of TCE were detected in soil vapor in the immediate vicinity of the industry pool on the north side of the building and adjacent to the discharge line which connects the pool where it exits the building. Elevated levels of TCE and 1,1,1-TCA were detected in a soil vapor probe located along the east side of the building, just north of the exterior door.

Malcolm Pirnie, Inc., March through May 1996

Under contract to the USEPA, Malcolm Pirnie conducted a Hazard Ranking System sampling investigation of the site. Fourteen subsurface soil samples were collected from the industrial leaching pool areas, the sinkhole area, and background locations on the property. Metals including copper and nickel were detected above NYSDEC guidance values in the soil samples. VOCs were not detected above NYSDEC guidance values. In addition, three monitoring wells MW4, MW5 and MW6 were installed at the site. In May, groundwater samples were collected from the three new wells and two of the previously existing wells (MW2, MW3). VOCs including TCE, 1,1,1-TCA, PCE and 1,2-DCE were detected above NYSDEC standards in each of the wells. Analysis for metals detected zinc above NYSDEC standards in MW2.

EPA, May 10, 1999

The EPA placed the former Computer Circuits site on CERCLA's National Priorities List (NPL) of sites. The EPA took over as the lead regulatory agency at the site and provided oversight for the implementation of an RI/FS.

PWGC, September 2000 through January 2003

On September 29, 2000, 145 Marcus Boulevard Corporation voluntarily entered into an administrative order on consent to conduct an RI/FS to determine the nature and extent of contamination at the site. PWGC performed the RI field work from December 17, 2001 through July 24, 2002. RI field activities included a geophysical survey of the site, excavation of test pits and collection and analysis of soil, groundwater and air samples. The draft Remedial Investigation Report was submitted to the EPA on January 3, 2003. It identified TCE at levels of concern in indoor air in the onsite building, in soils just beneath the slab of the northern portion of the building, and in soils within the leaching pool adjacent to the north side of the building.

PWGC, September 28, 2004 through December 15, 2005

Based on the presence of TCE in air samples collected from the building, an Order of Consent was signed on September 28, 2004 that provided for the performance of a removal action by 145 Marcus Boulevard Corporation. The Order called for the construction and operation of both a soil vapor extraction (SVE) system and sub-slab depressurization system at the site. PWGC completed of the system on December 15, 2005, which included a single vertical extraction well installed within the contaminated zone of the north industrial leaching pool, and a single horizontal extraction well installed beneath the concrete slab of the former silk screening room. Both extraction wells are remediating impacted soils through mass transfer from the sorbed to the vapor phase. The horizontal well installed beneath the building serves as an abatement function system to remove accumulated vapors beneath the slab and prevent them from migrating to the building's interior. The system has been in continuous operation since.

EPA, February 2008 through November 2008

The EPA performed a soil vapor intrusion sampling study of the onsite building in 2008. From February 26 to 28, 2008, 30 sub-slab gas wells were installed in the building. An additional sub-slab soil gas well was installed on March 18 and 19, 2008 and samples were collected from each of the 31 sub-slab gas wells. Additional sub-slab gas samples and indoor air samples were collected on May12 and 13, 2008. TCE was detected in indoor air samples at concentrations slightly exceeding the indoor air cleanup levels specified in the 2004 Order on Consent. PCE and trans-1,2-Dochloroethene were also detected in indoor air samples. TCE was detected at levels of concern in sub-slab samples. PCE, trans-1,2-Dichloroethene, 1,1,1-TCA and cis-1,2-Dichloroethene were also detected in sub-slab samples. The results of this study are documented by a November 21, 2008 letter report prepared by Lockheed Martin Technology Services, Environmental Services/REAC for the EPA.

EPA, September 2008 through April 2009

The EPA conducted activities in response to the findings of the soil vapor intrusion sampling study, including the optimization of the existing SVE system on the north side of the onsite building and the installation of a second SVE system on the south side of the site. On September 30, 2008, the EPA issued a Record of Decision (ROD) documenting the selected remedy for the site. An Administrative Order on Consent (Index No. CERCLA 02-2009-2015) was signed by the EPA on March 31, 2009, the terms of which were later agreed upon by the 145 Marcus Boulevard Corporation. The Order addressed the selected remedy specified by the ROD.

PWGC, May 2009

In accordance with the AOC for Remedial Action and ROD, PWGC prepared a draft Remedial Action Work Plan (RAWP) for the site which included: an Operation and Maintenance Manual for the SVE systems, a Site Management Plan, a Monitoring Plan (for performing monitoring of groundwater, indoor air, sub-slab vapor, and the SVE systems), a Quality Assurance Plan, a Health and Safety Plan, and reporting requirements. The RAWP specified ongoing and future activities necessary to implement the remedy selected for the site. The draft RAWP was submitted to EPA for review on May 29, 2009.

EPA, December 2009

EPA approved the draft RAWP for the site with out significant comments on December 21, 2009.

1.4 Future Site Use

The former Computer Circuits site is used for commercial and industrial purposes. The commercial/industrial zoning for the site is not expected to change in the near future. As of December 2009, the building is occupied as follows:

- The southwest portion of the building is occupied by Castle Financial Advisors, LLC, a financial services company employing approximately 12 persons.
- The northern portion of the building is occupied by Lambda, Inc., an electronics manufacturer employing approximately 20 persons. Lambda's space is used as executive offices and for product testing, no manufacturing is done on-site.
- The southeastern portion of the building is occupied by Goldson, Nolan, Connolly, Nasis & Dornfeld LLP (GNC), a law firm employing approximately 12 to 15 persons.

2.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The following summary of environmental conditions is based on the findings of previous environmental investigations performed at the former Computer Circuits site.

2.1 Source Areas

The contaminant source areas at the site consisted of industrial cesspools used for wastewater from operations at the Computer Circuits facility. Cesspools were located both beyond the southeast corner and on the north side of the site building. Previous investigations identified these areas as contributing to contamination in the underlying aquifer. The primary contaminants identified in source areas include 1,1-dichloroethene, 1,1,1-trichloroethane, 1,2-dichloroethane, acetone, chloromethane, methylene chloride, TCE, PCE and vinyl chloride. Recent groundwater data suggests that consistent contamination source areas are no longer present at the site.

2.2 Soil

Shallow borings collected between 2000 and 2003 revealed concentrations of TCE exceeding the NYSDEC Unrestricted Use Recommended Soil Cleanup Objective (RSCO) of 470 ug/kg in the vicinity of the industrial leaching pool on the north side of the building, as well as beneath the concrete slab floor in the former silk screening room. The highest reported TCE concentration in a shallow boring was 12,000 ug/kg, detected in 2001 from a soil sample collected in the top two feet below the concrete slab in the northern portion of the building. Samples collected in 2002 from deep soil borings also revealed concentrations of TCE exceeding the NYSDEC RSCO at the base of the former industrial leaching pool on the north side of the building and in the vicinity of the leaching pools off of the southeast corner of the building. A TCE concentration of 55,000 ug/kg was detected in a 2002 sample collected 22 feet bls, at the base of the former leaching pool on the north side of the building.

Previous investigations conducted in 1995 also identified concentrations of metals (primarily nickel and copper) at the base depth (8-22 ft) of the primary industrial leaching pools near the southeast corner of the building. The maximum detected concentration of copper was 12,300 mg/kg. The NYSDEC Unrestricted Use RSCO for copper is 50 mg/kg. Nickel was detected above the NYSDEC Unrestricted Use RSCO in only one subsurface soil sample. The deposit of metals was limited to the immediate area occupied by the former pools near the southeast corner of the building and was clearly related to the discharge of industrial wastes to the on-site drainage system.

The industrial leaching pool located on the north side of the building also contained concentrations of metals, primarily nickel and silver. Most of the detections were in the upper 5 to 7 feet of soil, however silver was detected at a concentration of 168 mg/kg in a soil sample collected 20 feet bls. The NYSDEC Unrestricted Use RSCO for silver is 2 mg/kg.

2.3 Groundwater

The primary contaminants identified in groundwater beneath the former Computer Circuits were TCE and PCE. During the 2002 RI, both of these contaminants were detected above their respective New York State

Groundwater Standards (GWS) and EPA Maximum Contaminant Levels (MCLs) at concentrations of 280 ug/L and 270 ug/L, respectively. Monitoring data collected in 2008 indicated that PCE and TCE concentrations have continued to decrease significantly in wells located within site boundaries, as w.ell as in wells located both upgradient and downgradient of the site. In instances where TCE or PCE exceeded MCLs, the concentrations were approaching the MCL value. In addition, since PCE was reportedly never used at the site and only trace amounts of PCE were detected in site soils, the contaminant is believed to come predominantly from a source or sources upgradient to the site.

2.4 Indoor Air

Air samples collected inside the site building on July 24, 2002 yielded detections of 1,1-dichlorothene, 1,1,1-trichloroethane, 1,2-dichloroethane, acetone, chloromethane, methylene chloride, TCE, and vinyl chloride. As a result of these findings, a SVE system was installed to remediate contaminated soils in the contaminant-source area on the north side of the building and to mitigate vapor intrusion into the building. Only two VOCs were detected during a May, 2008 sampling event, namely, TCE and trans-1,2-dichlorothene. The highest detected concentrations of TCE and trans-1,2-dichlorothene were 6.07 ug/m3 and 0.381 ug/m3, respectively. Soil-gas samples collected around the perimeter of the building and beneath the building slab yielded maximum TCE and PCE concentrations of 80,613 ug/m3 and 8,815 ug/m3, respectively. As discussed in Section 1.3, additional corrective actions were taken after the May, 2008 sampling event, including the installation of a second SVE system on the south side of the site building.

3.0 SITE MANAGEMENT

3.1 Engineering Controls

There are currently two soil vapor extraction (SVE) systems (North SVE System and South SVE System) operating at the site. SVE is a remedial technology that reduces concentrations of VOCs adsorbed to soils in the unsaturated zone by evaporating the volatiles and drawing the resulting vapor towards extraction wells. The vapors are then removed through extraction wells by applying a vacuum, and vapors are then treated with granulated activated carbon (GAC) prior to being exhausted to the atmosphere. Additional information regarding the North and South SVE systems is detailed in the Operation and Maintenance (O&M) Manual for the site (Appendix A of the RAWP).

3.1.1 SVE System Operation and Maintenance

The North SVE system operated continuously throughout 2009, with the exception of local power outages on June 17th, and December 3rd, 2009. At the request of EPA, the North SVE system has been drawing solely from the horizontal extraction well installed beneath the northern portion of the building since September 2008.

Prior to approval of the RAWP (approved December 21st, 2009), EPA was responsible for operation and maintenance of the South SVE System. PWGC began operation and maintenance of the South SVE system upon approval of the RAWP.

PWGC conducts routine operation, monitoring and maintenance (OM&M) visits to assess the operation of the SVE systems on a monthly basis. OM&M visits consist of assessing the system's current condition, documenting gauge readings, taking system air stream readings with a handheld photoionization detector (PID) and, when scheduled collecting system air samples for laboratory analysis. System parameters such as flow rates and gauge readings are documented on SVE system monitoring forms, included as **Appendix A**.

3.1.2 System Performance Sampling

During 2009, PWGC collected system performance samples from the North SVE system in March, June, September, and December, and from the South SVE system in December. At minimum, system performance samples were collected from the system influent lines. In March, June, and September, additional samples were collected from the North SVE system GAC midpoint, and system effluent. Samples are collected using SUMMA vacuum canisters in accordance with EPA/REAC SOP# 1704 Summa Canister Sampling, EPA/REAC SOP# 2008 General Air Sampling Guidelines, and the approved RAWP. The Canisters are transported under proper chain of custody procedures to a New York State Department of Health certified laboratory for analysis by EPA method TO-15 for VOCs. System performance sampling analytical data for TCE are summarized in **Table 1**; copies of the laboratory analytical reports are included in **Appendix B**.

Table 1 - System Performance Sampling Analytical Results (TCE)

Date	North SVE System			South SVE System
	Influent	Mid-GAC	Effluent	Influent
3/11/2009	470	164.00	152	NS
6/23/2009	439	1,100.00	186	NS
9/9/2009	524	1,220.00	163	NS
12/29/2009	106	NS	NS	79.2

Notes:
All concentrations measured in ug/m3
ND - Not detected above the laboratory detection limit
NS - No sample collected.
Refer to previous reports for historic data.

3.1.3 Mass Removal and Emission Rates

Analytical data from SVE system influent air samples are used to calculate actual mass removal rates. Mass removal rates for the North SVE system are summarized in **Table 2.** To date, PWGC has collected only one influent air sample from the South SVE system; a minimum of two samples are required to calculate mass removal rates. Based on mass removal calculations, the North SVE system has removed approximately 12.73 pounds of total VOCs through December 2009.

Table 2 - Mass Removal

Sample Date	Trichloroethene (ug/m3)	Total VOCs (ug/m3)	Average SVE Flow Rate (cfm)	Average VOC Removal Rate (lbs/hr)	Total VOCs Removed (lbs)
12/20/2005	690	1,006	110	NA	NA
3/21/2006	0	23	110	2.115E-04	0.48
6/20/2006	0	0	110	4.728E-06	0.01
1/5/2007	352	758	100	1.417E-04	0.30
4/20/2007	550	1,310	70	2.705E-04	0.57
6/26/2007	948	3,657	70	6.498E-04	1.38
10/9/2007	2,890	5,076	70	1.142E-03	2.42
12/20/2007	698	2,344	70	9.707E-04	2.05
2/25/2008	1,030	2,442	70	6.261E-04	1.33
6/30/2008	1,530	2,551	70	6.532E-04	1.38
9/26/2008	1,100	1,421	70	5.196E-04	1.10
12/18/2008	331	478	70	2.484E-04	0.53
3/11/2009	470	717	60	1.340E-04	0.28
6/23/2009	439	686	60	1.573E-04	0.33
9/9/2009	524	767	60	1.629E-04	0.34
12/29/2009	106	188	60	1.071E-04	0.23
Total Mass Removed Since 12/20/2005 (lbs)					12.73

3.2 Institutional Controls

Institutional controls are intended to protect human health from exposure to existing contamination while remediation is ongoing. Institutional controls may include environmental easements/restrictive covenants that limit the use of the site to commercial or industrial, restrict new construction at the site, and restrict the use of groundwater at the site.

Currently, no institutional controls have been finalized for the site. A draft institutional control has been submitted to USEPA for review. It is anticipated that institutional controls will be filed during 2010. A copy of the draft institutional control is included as **Appendix C**.

3.3 Ambient Air Sampling

In March, June and September 2009, PWGC collected one ambient air sample at one interior location (AS-2) defined in the IRM work plan. Following approval of the RAWP in December 2009, PWCG collected eight ambient air samples at locations specified in the RAWP. Current and historic indoor air sample locations are illustrated in **Figure 2**. Indoor air samples were collected to assess potential work place exposure while the building is occupied, and to support a decision to terminate operation of the SVE system as described in the AOC.

Ambient air samples were collected using SUMMA vacuum canisters in accordance with the procedures outlined in EPA SOP# 1704 SUMMA Canister Sampling, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (2006), and the approved RAWP. Samples were collected over an eight hour period between the hours of 7 A.M. and 5 P.M., in an effort to gather samples representative of conditions encountered by the office workers. Since the building does not have a subsurface basement or multiple stories, air quality samples were collected from the main floor within the breathing zone (3 to 5 feet above the floor). The office ventilation system was left on during sampling events. Analysis of the air samples was in accordance with EPA 625R-96 "Compendium of Methods for the Determination of Organic Compounds in Ambient Air", TO15. Analytical data for TCE are summarized in **Table 3**; copies of the laboratory analytical reports are included in **Appendix B**.

Table 3 - Ambient Air Sampling Analytical Results (TCE)

Sample Location	Sample Date			
	3/11/2009	6/24/2009	9/9/2009	12/29/2009
IA-1/AS-2	0.107	0.368	1.45	0.107 U
IA-2	NS	NS	NS	0.107 U
IA-3	NS	NS	NS	0.972
IA-4	NS	NS	NS	0.107 U
IA-5	NS	NS	NS	0.107 U
IA-6	NS	NS	NS	0.805
IA-7	NS	NS	NS	0.854
IA-8	NS	NS	NS	1.05

Notes:
All concentrations measured in ug/m3
NS - No sample collected.
Refer to previous reports for historic data.
AS-2 corresponds to interior sample location identified in the IRM work plan
U - Indicates that analyte was not detected above the laboratory MDL

4.0 CONCLUSIONS & RECOMMENDATIONS

PWGC has prepared this Annual Site Management Report in accordance with Section 12.2 of the approved RAWP for the site. Based on the information presented above, PWGC offers the following conclusions:

- Engineering controls at the site consist of two SVE systems (North SVE system and South SVE system).
- Draft institutional controls have been submitted to USEPA for review.
- Engineering Controls (i.e., North and South SVE systems) at the site have been operating as designed and effectively removing VOCs from the subsurface of the site.
- Existing engineering controls at the site continue to be effective. The North SVE system did not experience any significant down time during the period covered by this report. The South SVE system did not experience any significant down time while under control of PWGC during the period covered by this report. As of December 31, 2009, both the North and South SVE systems appear to be functioning as designed.
- PWGC certifies (see Site Management Certification, page i) that existing engineering controls at the site are in place, and performing as designed. The ability of existing engineering controls to protect the public health and environment has not been significantly impacted, and the operation and maintenance plan for existing engineering controls was implemented as detailed.
- Periodic site inspections were performed in accordance with Section 8.3 of the approved RAWP. Periodic operation and maintenance inspections are detailed in Section 3.1.1; inspection forms are included as **Appendix A**.
- Data for indoor air samples collected during 2009 are summarized in **Table 3**. Sample locations are illustrated in **Figure 2**. Ambient air samples were collected from within the building in March, June, September and December 2009. During the March, June and September sampling events, one indoor air sample was collected from sampling location AS-2, as specified in the IRM. Following approval of the RAWP in December 2009, eight indoor air samples were collected from throughout the building as specified in the RAWP. Throughout 2009, TCE Concentrations at sample location AS-2/IA-1 ranged from non-detect (less than 0.107 $\mu g/m^3$) (December) to 1.45 $\mu g/m^3$ (September). During the December 2009 sampling event, TCE concentrations throughout the building ranged from non-detect (less than 0.107 $\mu g/m^3$) at several locations, to 1.05 $\mu g/m^3$ at sample location IA-8.
- Laboratory analytical reports are included as **Appendix B**.
- Performance of treatment systems at the site is summarized in Section 3.1.3. Based on calculated mass removal rates, the North SVE system removed approximately 1.18 pounds of total VOCs from the subsurface of the site during 2009 and a total of approximately 12.73 pounds of total VOCs since system start up in 2005. To date, PWGC has collected only one influent air sample from the South SVE system; a minimum of two samples are required to calculate mass removal rates.

Based on the conclusions detailed above, PWGC recommends that implementation of the approved RAWP, be continued unmodified at this time.

5.0 REFERENCES

Administrative Order on Consent for Removal Action, United States Environmental Protection Agency, Region 2, 2004, Index Number CERCLA-02-2004-2005

Administrative Order on Consent for Remedial Action, United States Environmental Protection Agency, Region 2, 2009, Index Number CERCLA-02-2009-2015

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air - Second Edition, United States Environmental Protection Agency, Office of Research and Development, January 1999

Final Remedial Investigation Report, Former Computer Circuits Superfund Site, P.W. Grosser Consulting, Inc., February 2007

Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Final, New York State Department of Health, October 2006

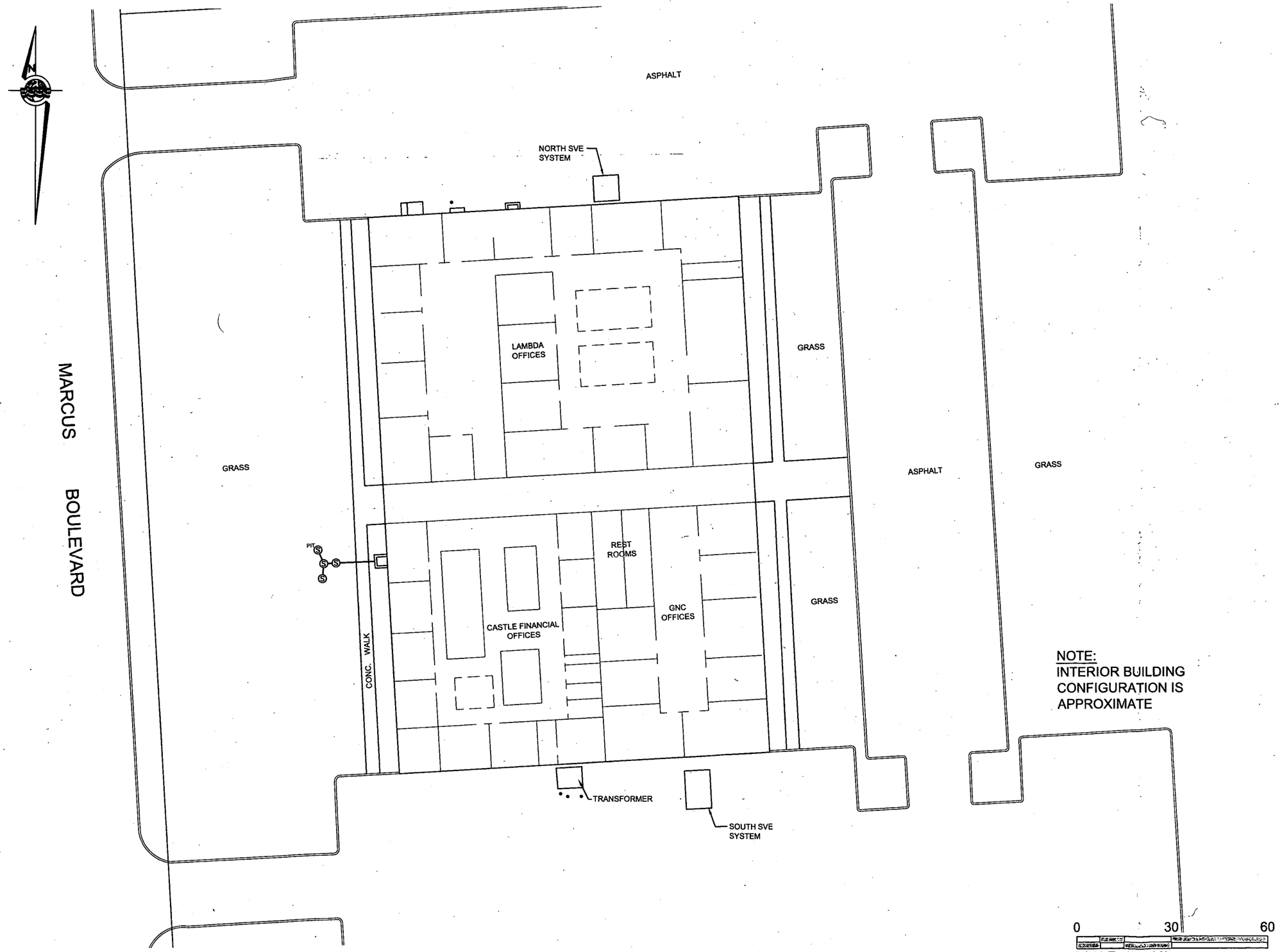
Guidelines for the Control of Toxic Ambient Air Contaminants, New York State Department of Environmental Conservation, November 1997, New York State DAR-1

Interim Remedial Measure, Former Computer Circuits Superfund Site, P.W. Grosser Consulting, Inc., July 2005

Remedial Action Work Plan, Former Computer Circuits Superfund Site, P.W. Grosser Consulting, Inc., May 2009

Summa Canister Sampling, United States Environmental Protection Agency, Environmental Response Team, July 1995

FIGURES



J:\Projects S-Z\TED - Ted Firetog\0001 Computer Circuits RI-FS\cadd\2010 CAD\Site plan.dwg (11x17H) Mar 01,2010-3:47pm By: guzman

PWGC
Strategic Environmental & Engineering Solutions
630 JOHNSON AVE. • SUITE 7
BOHEMIA • NY • 11716-2618
PH: (631)589-8353 • FX: (631)589-8705
E-MAIL: INFO@PWGROSSER.COM

CONSULTANTS

DRAWINGS PREPARED FOR

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	TED0001	APPROVED BY:	PWG
DESIGNED BY:	TM	DATE:	3/1/10
DRAWN BY:	LLG	SCALE:	AS SHOWN

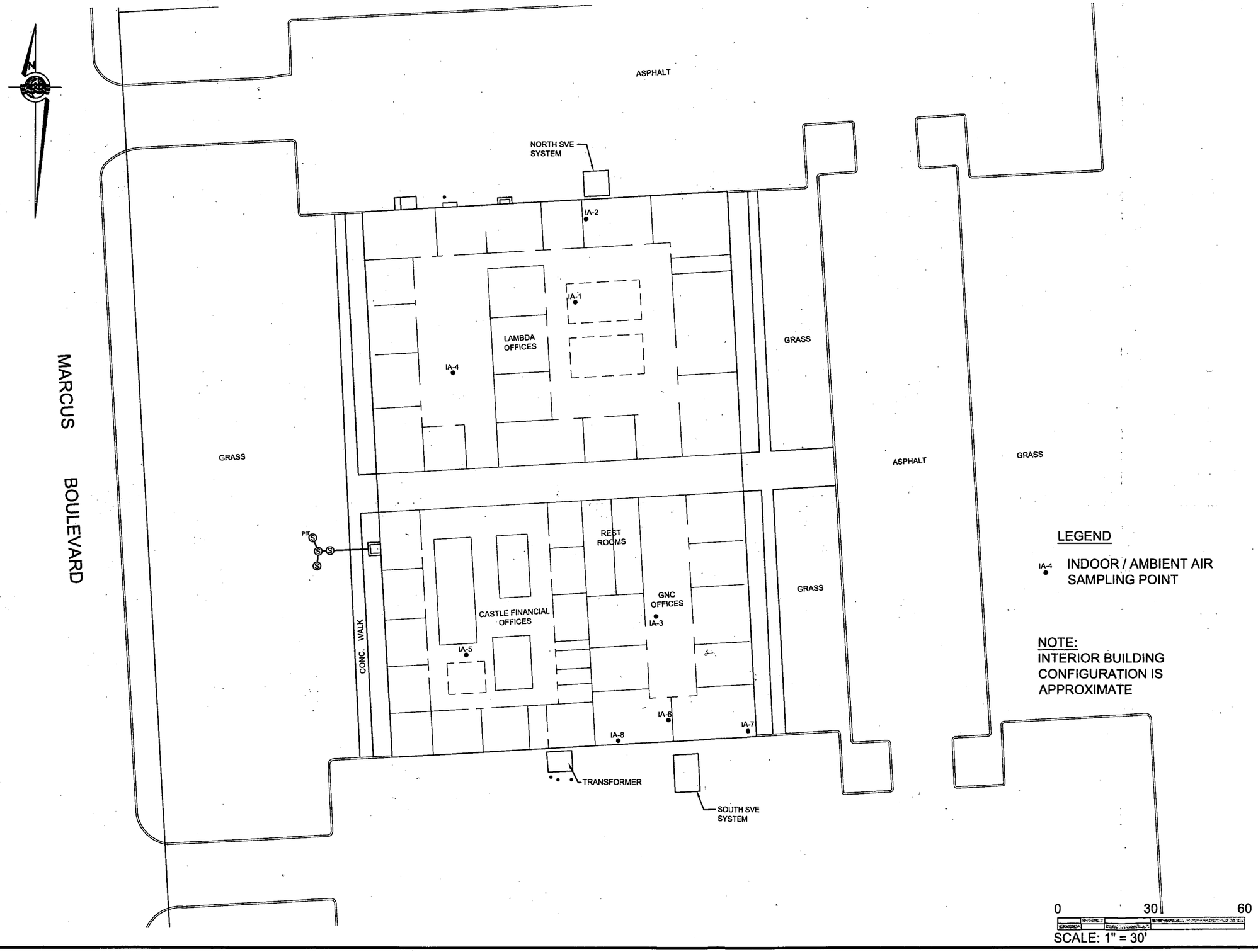
SHEET TITLE

SITE PLAN

145 MARCUS BLVD.
HAUPPAUGE, NY

FIGURE NO
1

SHEET OF



LEGEND

IA-4 INDOOR / AMBIENT AIR SAMPLING POINT

NOTE:
INTERIOR BUILDING CONFIGURATION IS APPROXIMATE

PWGC
Strategic Environmental & Engineering Solutions

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CONSULTANTS

DRAWINGS PREPARED FOR

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION

PROJECT:	TED0001	APPROVED BY:	PWG
DESIGNED BY:	TM	DATE:	3/1/10
DRAWN BY:	LLG	SCALE:	AS SHOWN

SHEET TITLE

INDOOR / OUTDOOR AIR AND SUB SLAB SOIL VAPOR SAMPLING LOCATIONS

145 MARCUS BLVD.
HAUPPAUGE, NY

FIGURE NO
2

SHEET - OF -

J:\Projects S-Z\TED - Ted Firetog\0001 Computer Circuits RI-FS\cadd\2010 CAD\Sampling Map.dwg (11x17H) Mar 01,2010-3:43pm By: guzman

APPENDIX A

SVE SYSTEM MONITORING FORMS

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 2-12-09

Technician: TD

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-30	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	0	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	-	-	
Horizontal Well Extraction Line	0.1	-	
Pre-Gac	0.3		
Mid-GAC	0.1	-	
Post-GAC	0.1	-	

Repairs / Modifications / Comments

Vertical Leg Closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 1-14-09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	> -5	"H2O
Blower Vacum	-33	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	2	PSI
Post-GAC Pressure	6	PSI
Condensate Level	0	inches
Condensate Drained	0	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	-	-	
Horizontal Well Extraction Line	0.0	-	
Pre-Gac	0.0	-	
Mid-GAC	0.0	-	
Post-GAC	0.0	-	

Repairs / Modifications / Comments

Vertical Leg closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 3-11-09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-32	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	0	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	—	ND	—
Horizontal Well Extraction Line	0-1	ND	
Pre-Gac	0.1	Yes	TO-15
Mid-GAC	0.0	Yes	TO-15
Post-GAC	0.0	Yes	TO-15

Repairs / Modifications / Comments

Vertical leg closed

Collected samples w/ 2.7L SUMMA Canisters

Filled w/ 2hr flow controllers

Sample	Canister ID	Regulator ID	Start Vac.	Final Vac.
Influent	423	0230	-30	-5
GAC Midpoint	200	0304	-30	-5
Effluent	156	0077	-30	-2

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 4/8/09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	2-15	"H2O
Blower Vacum	-30	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	—	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	—	N	
Horizontal Well Extraction Line	0.0	N	
Pre-Gac	0.0	N	
Mid-GAC	0.0	N	
Post-GAC	0.0	N	

Repairs / Modifications / Comments

Vertical Extraction Well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 5/29/09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	55	SCFM
Influent Vacum	> -15	"H2O
Blower Vacum	- 30	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	-	N	
Horizontal Well Extraction Line	0.1	N	
Pre-Gac	0.0	N	
Mid-GAC	0.1	N	
Post-GAC	0.1	N	

Repairs / Modifications / Comments

Vertical Extraction well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 6-17-09

Technician: TM

System Operating: (Yes / (No))

System Parameters

Influent Flow Meter		SCFM
Influent Vacum		"H2O
Blower Vacum		"H2O
Pre-GAC Pressure		PSI
Mid-GAC Pressure		PSI
Post-GAC Pressure		PSI
Condensate Level		inches
Condensate Drained		gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line			
Horizontal Well Extraction Line			
Pre-Gac			
Mid-GAC			
Post-GAC			

Repairs / Modifications / Comments

System Down open arrival. Restart system + secure for next week

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 6/23/09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-30	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	-	~~Y~~ No	~~TO-15~~ N/A
Horizontal Well Extraction Line	0.1	Y	TO-15
Pre-Gac	0.0	Y	TO-15
Mid-GAC	1.6	Y	TO-15
Post-GAC	0.0	Y	TO-15

Repairs / Modifications / Comments

Vertical Extraction well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 7-15-09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	> -15	"H2O
Blower Vacum	- 31	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	-	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	~~0.0~~ NA	NO	
Horizontal Well Extraction Line	0.0		
Pre-Gac	0.0		
Mid-GAC	0.0		
Post-GAC	0.0		

Repairs / Modifications / Comments

Vertical Well (closed)

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 8·12·09

Technician: TW

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-31	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	-	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	—	NO	
Horizontal Well Extraction Line	0.6	↓	
Pre-Gac	0.7	↓	
Mid-GAC	0.9	↓	
Post-GAC	0.4	↓	

Repairs / Modifications / Comments

Vertical Well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 9.9.09

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	7.15	"H2O
Blower Vacum	32	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	-	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	—	No	NA
Horizontal Well Extraction Line	0.3	No	NA
Pre-Gac	0.1	Yes	TO-15
Mid-GAC	0.2	↓	↓
Post-GAC	0.1	↓	↓

Repairs / Modifications / Comments

Vertical Well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 10-15-04

Technician: TM

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-32	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	-	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	-	NO	
Horizontal Well Extraction Line	0.1		
Pre-Gac	0.2		
Mid-GAC	0.2		
Post-GAC	0.1	✓	

Repairs / Modifications / Comments

Note: Vertical SVE well closed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 11-11-09

Technician:

System Operating: (Yes / No)

System Parameters

Influent Flow Meter	65	SCFM
Influent Vacum	-30	"H2O
Blower Vacum	-33	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	0	inches
Condensate Drained	–	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	–	Vc	
Horizontal Well Extraction Line	0.1	↓	
Pre-Gac	0.1		
Mid-GAC	0.4		
Post-GAC	0.0		

Repairs / Modifications / Comments

Note. Vertical SVE well closed

- STI processes, Inc. on-site to install auto dialer system on North SVE system. SVE system down for approx 1.5 hours while auto dialer was installed

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 12-29-09

Technician: TN

System Operating: ((Yes) / No)

System Parameters North SVE System

Influent Flow Meter	60	SCFM
Influent Vacum	>-15	"H2O
Blower Vacum	-32	"H2O
Pre-GAC Pressure	0	PSI
Mid-GAC Pressure	0	PSI
Post-GAC Pressure	0	PSI
Condensate Level	6	inches
Condensate Drained	—	gallons
Bleed Valve Position		open/(closed)

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	~~0~~	NO	
Horizontal Well Extraction Line	~~0.0~~	NO	
Pre-Gac	0.0	Yes	TO-15
Mid-GAC	0.0	No	
Post-GAC	0.0	NO	

Repairs / Modifications / Comments

Vert. SVE well closed

Collected influent sample (2 hr summa)

Former Computer Circuit Site
SVE System Monitoring Form

Date/Time: 12-29-09

Technician: (N)

System Operating: ((Yes) / No)

System Parameters South Site System

Influent Flow Meter	—	SCFM
Influent Vacum	-17	"H2O
Blower Vacum	—	"H2O
Pre-GAC Pressure	—	PSI
Mid-GAC Pressure	—	PSI
Post-GAC Pressure	—	PSI
Condensate Level	6	inches
Condensate Drained	~.5	gallons
Bleed Valve Position		open/closed

Sample Ports

	PID (ppm)	Sampled	Analysis / Comments
Vertical Well Extraction Line	—	No	
Horizontal Well Extraction Line	—	No	
Pre-Gac	0.0	Yes	
Mid-GAC	—	No	
Post-GAC	—	No	

Repairs / Modifications / Comments

Collected influent sample (2 hr. Summa

APPENDIX B

LABORATORY ANALYTICAL REPORTS

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0903022
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Kris Almskog
Project Name:	FORMER COMPUTER CIRCUITS
Project Number:	TED0001
Report Date:	03/19/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0903022-01	AS-2	145 MARCUS BLVD, HAPPAUG, NY	03/11/09 16:00
L0903022-02	INFLUENT	145 MARCUS BLVD, HAPPAUG, NY	03/11/09 15:50
L0903022-03	GAC MIDPOINT	145 MARCUS BLVD, HAPPAUG, NY	03/11/09 15:50
L0903022-04	EFFLUENT	145 MARCUS BLVD, HAPPAUG, NY	03/11/09 15:50

Project Name: FORMER COMPUTER CIRCUITS **Lab Number:** L0903022
Project Number: TED0001 **Report Date:** 03/19/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

TO15-LL

L0903022-01 and WG355898-4 Duplciate: The presence of Propylene could not be determined in this sample due to non-target compounds interfering with the identification and quantification of this compound. Sample was re-analyzed due to quality control failure on the original analysis. The results of the re-analysis are reported.

L0903022-02 has elevated detection limits due to the 1.598x dilution required by the elevated concentrations of target compounds in the sample.

The WG355748-2 LCS recovery for Hexachlorobutadiene are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

The WG355898-2 LCS recoveries for 1,2,4-Trichlorobenzene and Hexachlorobutadiene are outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded. It

Project Name:	FORMER COMPUTER CIRCUITS	**Lab Number:**	L0903022
Project Number:	TED0001	**Report Date:**	03/19/09

Case Narrative (continued)

should be noted that Hexachlorobutadiene is above the 150% criteria. All samples associated with this LCS are non-detect for Hexachlorobutadiene, therefore results are reported.

TO15-SIM

L0903022-01 was re-analyzed due to quality control failure on the original analysis. The results of the re-analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. Gibson

Title: Technical Director/Representative Date: 03/19/09

AIR

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-01 R
Client ID: AS-2
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/19/09 08:24
Analyst: AJ

Date Collected: 03/11/09 16:00
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.991	0.200	2.92	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	12.7	0.500	30.2	1.19		1
Benzene	0.226	0.200	0.721	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS **Lab Number:** L0903022

Project Number: TED0001 **Report Date:** 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-01 R
Client ID: AS-2
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY

Date Collected: 03/11/09 16:00
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	0.681	0.200	2.12	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.744	0.200	1.53	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.535	0.200	2.64	0.988		1
Ethanol	79.1	2.50	149	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	45.8	0.500	112	1.23		1
Methylene chloride	0.855	0.500	2.97	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.356	0.200	1.46	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-01 R
Client ID: AS-2
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Date Collected: 03/11/09 16:00
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	1.06	0.200	3.99	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.351	0.200	1.97	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-01 R
Client ID: AS-2
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/19/09 08:24
Analyst: AJ

Date Collected: 03/11/09 16:00
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.078	0.020	0.419	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-02 D
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/17/09 19:17
Analyst: AR

Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	4.11	0.320	22.4	1.74		1.598
1,1,2,2-Tetrachloroethane	ND	0.320	ND	2.19		1.598
1,1,2-Trichloroethane	ND	0.320	ND	1.74		1.598
1,1-Dichloroethane	1.76	0.320	7.14	1.29		1.598
1,1-Dichloroethene	0.492	0.320	1.95	1.27		1.598
1,2,4-Trichlorobenzene	ND	0.320	ND	2.37		1.598
1,2,4-Trimethylbenzene	ND	0.320	ND	1.57		1.598
1,2-Dibromoethane	ND	0.320	ND	2.45		1.598
1,2-Dichlorobenzene	ND	0.320	ND	1.92		1.598
1,2-Dichloroethane	ND	0.320	ND	1.29		1.598
1,2-Dichloropropane	ND	0.320	ND	1.48		1.598
1,3,5-Trimethybenzene	ND	0.320	ND	1.57		1.598
1,3-Butadiene	ND	0.320	ND	0.706		1.598
1,3-Dichlorobenzene	ND	0.320	ND	1.92		1.598
1,4-Dichlorobenzene	ND	0.320	ND	1.92		1.598
1,4-Dioxane	ND	0.320	ND	1.15		1.598
2,2,4-Trimethylpentane	ND	0.320	ND	1.49		1.598
2-Butanone	0.655	0.320	1.93	0.942		1.598
2-Hexanone	ND	0.320	ND	1.31		1.598
3-Chloropropene	ND	0.320	ND	1.00		1.598
4-Ethyltoluene	ND	0.320	ND	1.57		1.598
Acetone	7.52	0.799	17.8	1.90		1.598
Benzene	ND	0.320	ND	1.02		1.598
Benzyl chloride	ND	0.320	ND	1.65		1.598
Bromodichloromethane	ND	0.320	ND	2.14		1.598

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-02 D
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.320	ND	3.30		1.598
Bromomethane	ND	0.320	ND	1.24		1.598
Carbon disulfide	ND	0.320	ND	0.994		1.598
Carbon tetrachloride	ND	0.320	ND	2.01		1.598
Chlorobenzene	ND	0.320	ND	1.47		1.598
Chloroethane	ND	0.320	ND	0.843		1.598
Chloroform	0.524	0.320	2.55	1.56		1.598
Chloromethane	0.335	0.320	0.691	0.659		1.598
cis-1,2-Dichloroethene	1.46	0.320	5.79	1.27		1.598
cis-1,3-Dichloropropene	ND	0.320	ND	1.45		1.598
Cyclohexane	ND	0.320	ND	1.10		1.598
Dibromochloromethane	ND	0.320	ND	2.72		1.598
Dichlorodifluoromethane	0.580	0.320	2.86	1.58		1.598
Ethanol	16.6	4.00	31.2	7.52		1.598
Ethyl Acetate	ND	0.799	ND	2.88		1.598
Ethylbenzene	ND	0.320	ND	1.39		1.598
Freon-113	10.5	0.320	80.2	2.45		1.598
Freon-114	ND	0.320	ND	2.23		1.598
Hexachlorobutadiene	ND	0.320	ND	3.40		1.598
Isopropanol	13.8	0.799	33.8	1.96		1.598
Methylene chloride	ND	0.799	ND	2.77		1.598
4-Methyl-2-pentanone	ND	0.320	ND	1.31		1.598
Methyl tert butyl ether	ND	0.320	ND	1.15		1.598
p/m-Xylene	ND	0.639	ND	2.77		1.598
o-Xylene	ND	0.320	ND	1.39		1.598
Heptane	ND	0.320	ND	1.31		1.598
n-Hexane	ND	0.320	ND	1.12		1.598
Propylene	ND	0.320	ND	0.550		1.598

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-02 D
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.320	ND	1.36		1.598
Tetrachloroethene	4.84	0.320	32.8	2.16		1.598
Tetrahydrofuran	ND	0.320	ND	0.942		1.598
Toluene	0.839	0.320	3.16	1.20		1.598
trans-1,2-Dichloroethene	ND	0.320	ND	1.27		1.598
trans-1,3-Dichloropropene	ND	0.320	ND	1.45		1.598
Trichloroethene	87.6	0.320	470	1.72		1.598
Trichlorofluoromethane	0.463	0.320	2.60	1.79		1.598
Vinyl acetate	ND	0.320	ND	1.12		1.598
Vinyl bromide	ND	0.320	ND	1.40		1.598
Vinyl chloride	ND	0.320	ND	0.816		1.598

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-03
Client ID: GAC MIDPOINT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/17/09 18:38
Analyst: AR

Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	19.4	0.200	106	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	2.24	0.200	9.05	0.809		1
1,1-Dichloroethene	0.888	0.200	3.52	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	0.209	0.200	0.966	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	2.38	0.200	7.02	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	4.62	0.500	11.0	1.19		1
Benzene	0.417	0.200	1.33	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

SAMPLE RESULTS

Lab ID: L0903022-03 Date Collected: 03/11/09 15:50
Client ID: GAC MIDPOINT Date Received: 03/12/09
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	0.737	0.200	3.60	0.976		1
Chloromethane	0.304	0.200	0.627	0.413		1
cis-1,2-Dichloroethene	2.16	0.200	8.54	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.550	0.200	2.72	0.988		1
Ethanol	10.0	2.50	18.9	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	0.353	0.200	1.53	0.868		1
Freon-113	20.8	0.200	159	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	9.76	0.500	24.0	1.23		1
Methylene chloride	1.56	0.500	5.40	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	0.618	0.400	2.68	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.361	0.200	1.48	0.819		1
n-Hexane	0.796	0.200	2.80	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-03
Client ID: GAC MIDPOINT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	26.2	0.200	98.7	0.753		1
trans-1,2-Dichloroethene	0.342	0.200	1.35	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	30.6	0.200	164	1.07		1
Trichlorofluoromethane	0.476	0.200	2.67	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/17/09 18:01
Analyst: AR

Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	16.3	0.200	88.8	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	1.40	0.200	5.65	0.809		1
1,1-Dichloroethene	0.628	0.200	2.49	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	1.64	0.500	3.91	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY

Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	1.79	0.200	8.72	0.976		1
Chloromethane	0.305	0.200	0.629	0.413		1
cis-1,2-Dichloroethene	2.81	0.200	11.1	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.552	0.200	2.73	0.988		1
Ethanol	8.83	2.50	16.6	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	45.6	0.200	349	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	1.30	0.500	3.20	1.23		1
Methylene chloride	0.594	0.500	2.06	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

SAMPLE RESULTS

Lab ID: L0903022-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD, HAPPAUG, NY
Date Collected: 03/11/09 15:50
Date Received: 03/12/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	2.17	0.200	14.7	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.341	0.200	1.28	0.753		1
trans-1,2-Dichloroethene	0.397	0.200	1.57	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	28.4	0.200	152	1.07		1
Trichlorofluoromethane	0.371	0.200	2.08	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/17/09 11:45

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-04 Batch: WG355748-3						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/17/09 11:45

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-04 Batch: WG355748-3						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/17/09 11:45

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 02-04 Batch: WG355748-3						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/18/09 16:13

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG355898-3						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/18/09 16:13

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG355898-3						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/18/09 16:13

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01 Batch: WG355898-3						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0903022
Report Date: 03/19/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/18/09 16:13

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG355903-3						
Trichloroethene	ND	0.020	ND	0.107		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 Batch: WG355748-2					
1,1,1-Trichloroethane	107	-	70-130	-	
1,1,2,2-Tetrachloroethane	109	-	70-130	-	
1,1,2-Trichloroethane	100	-	70-130	-	
1,1-Dichloroethane	100	-	70-130	-	
1,1-Dichloroethene	100	-	70-130	-	
1,2,4-Trichlorobenzene	104	-	70-130	-	
1,2,4-Trimethylbenzene	106	-	70-130	-	
1,2-Dibromoethane	90	-	70-130	-	
1,2-Dichlorobenzene	106	-	70-130	-	
1,2-Dichloroethane	103	-	70-130	-	
1,2-Dichloropropane	96	-	70-130	-	
1,3,5-Trimethylbenzene	104	-	70-130	-	
1,3-Butadiene	93	-	70-130	-	
1,3-Dichlorobenzene	102	-	70-130	-	
1,4-Dichlorobenzene	103	-	70-130	-	
1,4-Dioxane	112	-	70-130	-	
2,2,4-Trimethylpentane	98	-	70-130	-	
2-Butanone	115	-	70-130	-	
2-Hexanone	118	-	70-130	-	
3-Chloropropene	90	-	70-130	-	
4-Ethyltoluene	109	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 Batch: WG355748-2					
Acetone	102	-	70-130	-	
Benzene	87	-	70-130	-	
Benzyl chloride	104	-	70-130	-	
Bromodichloromethane	103	-	70-130	-	
Bromoform	106	-	70-130	-	
Bromomethane	83	-	70-130	-	
Carbon disulfide	98	-	70-130	-	
Carbon tetrachloride	112	-	70-130	-	
Chlorobenzene	106	-	70-130	-	
Chloroethane	93	-	70-130	-	
Chloroform	106	-	70-130	-	
Chloromethane	98	-	70-130	-	
cis-1,2-Dichloroethene	101	-	70-130	-	
cis-1,3-Dichloropropene	83	-	70-130	-	
Cyclohexane	92	-	70-130	-	
Dibromochloromethane	105	-	70-130	-	
Dichlorodifluoromethane	103	-	70-130	-	
Ethyl Alcohol	100	-	70-130	-	
Ethyl Acetate	124	-	70-130	-	
Ethylbenzene	109	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	101	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 Batch: WG355748-2					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	98	-	70-130	-	
Hexachlorobutadiene	131	-	70-130	-	
iso-Propyl Alcohol	104	-	70-130	-	
Methylene chloride	90	-	70-130	-	
4-Methyl-2-pentanone	114	-	70-130	-	
Methyl tert butyl ether	123	-	70-130	-	
p/m-Xylene	113	-	70-130	-	
o-Xylene	115	-	70-130	-	
Heptane	101	-	70-130	-	
n-Hexane	97	-	70-130	-	
Propylene	88	-	70-130	-	
Styrene	103	-	70-130	-	
Tetrachloroethene	108	-	70-130	-	
Tetrahydrofuran	120	-	70-130	-	
Toluene	107	-	70-130	-	
trans-1,2-Dichloroethene	96	-	70-130	-	
trans-1,3-Dichloropropene	75	-	70-130	-	
Trichloroethene	100	-	70-130	-	
Trichlorofluoromethane	110	-	70-130	-	
Vinyl acetate	126	-	70-130	-	
Vinyl bromide	94	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 Batch: WG355748-2					
Vinyl chloride	93	-	70-130	-	
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG355898-2					
1,1,1-Trichloroethane	107	-	70-130	-	
1,1,2,2-Tetrachloroethane	106	-	70-130	-	
1,1,2-Trichloroethane	99	-	70-130	-	
1,1-Dichloroethane	107	-	70-130	-	
1,1-Dichloroethene	102	-	70-130	-	
1,2,4-Trichlorobenzene	131	-	70-130	-	
1,2,4-Trimethylbenzene	111	-	70-130	-	
1,2-Dibromoethane	92	-	70-130	-	
1,2-Dichlorobenzene	108	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG355898-2					
1,2-Dichloroethane	119	-	70-130	-	
1,2-Dichloropropane	95	-	70-130	-	
1,3,5-Trimethylbenzene	112	-	70-130	-	
1,3-Butadiene	105	-	70-130	-	
1,3-Dichlorobenzene	108	-	70-130	-	
1,4-Dichlorobenzene	108	-	70-130	-	
1,4-Dioxane	111	-	70-130	-	
2,2,4-Trimethylpentane	100	-	70-130	-	
2-Butanone	111	-	70-130	-	
2-Hexanone	105	-	70-130	-	
3-Chloropropene	101	-	70-130	-	
4-Ethyltoluene	111	-	70-130	-	
Acetone	92	-	70-130	-	
Benzene	95	-	70-130	-	
Benzyl chloride	103	-	70-130	-	
Bromodichloromethane	99	-	70-130	-	
Bromoform	102	-	70-130	-	
Bromomethane	93	-	70-130	-	
Carbon disulfide	95	-	70-130	-	
Carbon tetrachloride	103	-	70-130	-	
Chlorobenzene	99	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG355898-2					
Chloroethane	103	-	70-130	-	
Chloroform	113	-	70-130	-	
Chloromethane	105	-	70-130	-	
cis-1,2-Dichloroethene	109	-	70-130	-	
cis-1,3-Dichloropropene	86	-	70-130	-	
Cyclohexane	102	-	70-130	-	
Dibromochloromethane	98	-	70-130	-	
Dichlorodifluoromethane	114	-	70-130	-	
Ethyl Alcohol	99	-	70-130	-	
Ethyl Acetate	122	-	70-130	-	
Ethylbenzene	119	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	104	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	107	-	70-130	-	
Hexachlorobutadiene	**152**	-	70-130	-	
iso-Propyl Alcohol	99	-	70-130	-	
Methylene chloride	98	-	70-130	-	
4-Methyl-2-pentanone	105	-	70-130	-	
Methyl tert butyl ether	115	-	70-130	-	
p/m-Xylene	112	-	70-130	-	
o-Xylene	108	-	70-130	-	
Heptane	102	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 Batch: WG355898-2					
n-Hexane	83	-	70-130	-	
Propylene	118	-	70-130	-	
Styrene	108	-	70-130	-	
Tetrachloroethene	108	-	70-130	-	
Tetrahydrofuran	124	-	70-130	-	
Toluene	99	-	70-130	-	
trans-1,2-Dichloroethene	105	-	70-130	-	
trans-1,3-Dichloropropene	74	-	70-130	-	
Trichloroethene	102	-	70-130	-	
Trichlorofluoromethane	123	-	70-130	-	
Vinyl acetate	109	-	70-130	-	
Vinyl bromide	98	-	70-130	-	
Vinyl chloride	106	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG355903-2					
1,1,1-Trichloroethane	92	-	70-130	-	
1,1,1,2-Tetrachloroethane	85	-	70-130	-	
1,1,2,2-Tetrachloroethane	81	-	70-130	-	
1,1,2-Trichloroethane	81	-	70-130	-	
1,1-Dichloroethane	90	-	70-130	-	
1,1-Dichloroethene	86	-	70-130	-	
1,2,4-Trimethylbenzene	88	-	70-130	-	
1,2-Dibromoethane	72	-	70-130	-	
1,2-Dichlorobenzene	80	-	70-130	-	
1,2-Dichloroethane	97	-	70-130	-	
1,2-Dichloropropane	81	-	70-130	-	
1,3,5-Trimethylbenzene	91	-	70-130	-	
1,3-Butadiene	90	-	70-130	-	
1,3-Dichlorobenzene	81	-	70-130	-	
1,4-Dichlorobenzene	80	-	70-130	-	
Benzene	78	-	70-130	-	
Bromodichloromethane	84	-	70-130	-	
Bromoform	78	-	70-130	-	
Bromomethane	77	-	70-130	-	
Carbon tetrachloride	92	-	70-130	-	
Chlorobenzene	83	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG355903-2					
Chloroethane	85	-	70-130	-	
Chloroform	95	-	70-130	-	
Chloromethane	89	-	70-130	-	
cis-1,2-Dichloroethene	89	-	70-130	-	
cis-1,3-Dichloropropene	71	-	70-130	-	
Dibromochloromethane	76	-	70-130	-	
Dichlorodifluoromethane	97	-	70-130	-	
Ethylbenzene	91	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	87	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	92	-	70-130	-	
Methylene chloride	83	-	70-130	-	
Methyl tert butyl ether	95	-	70-130	-	
p/m-Xylene	97	-	70-130	-	
o-Xylene	96	-	70-130	-	
Styrene	86	-	70-130	-	
Tetrachloroethene	85	-	70-130	-	
Toluene	82	-	70-130	-	
trans-1,2-Dichloroethene	87	-	70-130	-	
trans-1,3-Dichloropropene	60	-	70-130	-	
Trichloroethene	86	-	70-130	-	
1,2,4-Trichlorobenzene	97	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG355903-2					
Trichlorofluoromethane	98	-	70-130	-	
Vinyl chloride	91	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG355748-4 QC Sample: L0903144-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	0.626	0.637	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG355748-4 QC Sample: L0903144-01 Client ID: DUP Sample					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	7.22	7.56	ppbV	5	25
Benzene	0.352	0.348	ppbV	1	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	0.618	0.645	ppbV	4	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.470	0.481	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG355748-4 QC Sample: L0903144-01 Client ID: DUP Sample					
Ethanol	17.2	17.7	ppbV	3	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	2.49	2.55	ppbV	2	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Heptane	0.368	0.383	ppbV	4	25
n-Hexane	0.349	0.299	ppbV	15	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	0.262	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	1.22	1.23	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 02-04 QC Batch ID: WG355748-4 QC Sample: L0903144-01 Client ID: DUP Sample					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.244	0.258	ppbV	6	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG355898-4 QC Sample: L0903022-01 Client ID: AS-2					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	0.991	0.913	ppbV	8	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG355898-4 QC Sample: L0903022-01 Client ID: AS-2					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	12.7	11.7	ppbV	8	25
Benzene	0.226	0.219	ppbV	3	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	0.681	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	0.744	0.705	ppbV	5	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.535	0.522	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG355898-4 QC Sample: L0903022-01 Client ID: AS-2					
Ethanol	79.1	73.2	ppbV	8	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	45.8	44.7	ppbV	2	25
Methylene chloride	0.855	0.789	ppbV	8	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Heptane	0.356	0.389	ppbV	9	25
n-Hexane	ND	ND	ppbV	NC	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	1.06	1.04	ppbV	2	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0903022
Report Date: 03/19/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG355898-4 QC Sample: L0903022-01 Client ID: AS-2					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.351	0.304	ppbV	14	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG355903-4 QC Sample: L0903101-01 Client ID: DUP Sample					
Trichloroethene	ND	ND	ppbV	NC	25

Project Name: FORMER COMPUTER CIRCUITS **Lab Number:** L0903022

Project Number: TED0001 **Report Date:** 03/19/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0903022-01	AS-2	0006	#16 AMB		-	-	4.8	4.5	6
L0903022-01	AS-2	108	2.7L Can	I0902235	-29.6	-3.0	-	-	-
L0903022-02	INFLUENT	0230	#30 SV		-	-	19.2	20.4	6
L0903022-02	INFLUENT	423	2.7L Can	I0902407	-29.6	-3.0	-	-	-
L0903022-03	GAC MIDPOINT	0304	#30 SV		-	-	19.6	21.0	7
L0903022-03	GAC MIDPOINT	200	2.7L Can	I0902235	-29.6	-3.5	-	-	-
L0903022-04	EFFLUENT	0077	#30 SV		-	-	19.1	21.3	11
L0903022-04	EFFLUENT	156	2.7L Can	I0902235	-29.5	0.1	-	-	-

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0903022-01A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30),TO15-SIM(30)
L0903022-02A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0903022-03A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0903022-04A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)

*Hold days indicated by values in parentheses

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

NI - Not Ignitable.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

* - The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

N - The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)

P - The RPD between the results for the two columns exceeds the method-specified criteria.

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Chloride, Fluoride, Sulfate, Sulfite, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), Total Cyanide, Bromide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Ignitability, Corrosivity, TCLP 1311, Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814.

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 365.2, EPA 150.1, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 624, 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 9050, 7470, 7471, 9045, EPA 7.3.3.2, EPA 7.3.4.2, 9014, 9065. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206.

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015.

Non-Potable Water (Inorganic Parameters: SW-846 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

New York Department of Health Certificate/Lab ID: 11627.

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299.

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX.

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. Registered Laboratory.

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L0903022

03190917:01

Client Information

Client: PWGC
Address: 630 Johnson Ave, Ste 7
Bohemia, NY 11716
Phone: 631 589-6353
Fax: 631 589-8705
Email: thomasm@pwgrosser.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Computer Circuits
Project Location: 145 Marcus Blvd, Hauppauge, NY
Project #: TED0001
Project Manager: Kris Almskog
ALPHA Quote #:

Turn-Around Time

☑ Standard (10 DAYS) ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:
SIM Analysis for TCE

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
3022-1	AS-2	3-11-09	0820	1600	-30	-5	AA	TM	2.7L	108	0006		X	X					
-2	Influent	3-11-09	1400	1550	-30	-5	SV	TM	2.7L	423	0230		X						
-3	GAC Midpoint	3-11-09	1400	1550	-30	-5	SV	TM	2.7L	200	0304		X						
-4	Effluent	3-11-09	1400	1550	-30	-2	SV	TM	2.7L	156	0077		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6S 6S

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
T. Melia	3-12-09 10:20		3/12/09 15:20
	3/12/09 17:15		3/12/09 17:15
	3/13/09 11:20		3/13/09 10:00

Form No: 101-02 (rev.1-Feb-08)

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0908506
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Kris Almskog
Project Name:	COMPUTER CIRCUITS
Project Number:	TED0001
Report Date:	07/01/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0908506-01	AS-2	145 MARCUS BLVD	06/23/09 16:00
L0908506-02	INFLUENT	145 MARCUS BLVD	06/23/09 16:15
L0908506-03	GAC MID POINT	145 MARCUS BLVD	06/23/09 16:15
L0908506-04	EFFLUENT	145 MARCUS BLVD	06/23/09 16:15

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air (Low Level)

L0908506-03 and WG368683-5 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.
L0908506-03, WG368683-5 and -04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG368683-3 LCS recovery for Propylene (69%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien

Title: Technical Director/Representative Date: 07/01/09

AIR

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/27/09 01:10
Analyst: RY

Date Collected: 06/23/09 16:00
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	1.17	0.200	3.44	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	26.1	0.500	62.1	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:00
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.560	0.200	1.16	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.589	0.200	2.91	0.988		1
Ethanol	38.8	2.50	73.2	4.71		1
Ethyl Acetate	1.73	0.500	6.23	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	64.1	0.500	157	1.23		1
Methylene chloride	1.66	0.500	5.76	1.74		1
4-Methyl-2-pentanone	0.272	0.200	1.11	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	0.444	0.400	1.92	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	6.32	0.200	25.9	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:00
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	0.465	0.200	1.37	0.589		1
Toluene	1.29	0.200	4.84	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.431	0.200	2.42	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

SAMPLE RESULTS

Lab ID: L0908506-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/27/09 18:54
Analyst: AJ

Date Collected: 06/23/09 16:00
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.069	0.020	0.368	0.107		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/27/09 01:45
Analyst: RY

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	5.67	0.200	30.9	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	2.16	0.200	8.73	0.809		1
1,1-Dichloroethene	0.553	0.200	2.19	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	1.89	0.200	6.82	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.545	0.200	1.61	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	10.5	0.500	24.8	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	0.481	0.200	2.34	0.976		1
Chloromethane	0.237	0.200	0.489	0.413		1
cis-1,2-Dichloroethene	3.17	0.200	12.5	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.551	0.200	2.72	0.988		1
Ethanol	10.2	2.50	19.2	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	3.92	0.200	30.0	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	20.1	0.500	49.3	1.23		1
Methylene chloride	0.919	0.500	3.19	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	1.78	0.200	7.31	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

SAMPLE RESULTS

Lab ID: L0908506-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	5.64	0.200	38.2	1.36		1
Tetrahydrofuran	0.252	0.200	0.742	0.589		1
Toluene	0.405	0.200	1.52	0.753		1
trans-1,2-Dichloroethene	0.567	0.200	2.25	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	81.8	0.200	439	1.07		1
Trichlorofluoromethane	0.449	0.200	2.52	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-03 D
Client ID: GAC MID POINT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/27/09 02:17
Analyst: RY

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	22.7	0.500	124	2.72		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		2.5
1,1,2-Trichloroethane	ND	0.500	ND	2.72		2.5
1,1-Dichloroethane	2.50	0.500	10.1	2.02		2.5
1,1-Dichloroethene	1.02	0.500	4.04	1.98		2.5
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71		2.5
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		2.5
1,2-Dibromoethane	ND	0.500	ND	3.84		2.5
1,2-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,2-Dichloroethane	ND	0.500	ND	2.02		2.5
1,2-Dichloropropane	ND	0.500	ND	2.31		2.5
1,3,5-Trimethybenzene	ND	0.500	ND	2.46		2.5
1,3-Butadiene	ND	0.500	ND	1.10		2.5
1,3-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,4-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,4-Dioxane	ND	0.500	ND	1.80		2.5
2,2,4-Trimethylpentane	ND	0.500	ND	2.33		2.5
2-Butanone	ND	0.500	ND	1.47		2.5
2-Hexanone	ND	0.500	ND	2.05		2.5
3-Chloropropene	ND	0.500	ND	1.56		2.5
4-Ethyltoluene	ND	0.500	ND	2.46		2.5
Acetone	8.37	1.25	19.9	2.97		2.5
Benzene	ND	0.500	ND	1.60		2.5
Benzyl chloride	ND	0.500	ND	2.59		2.5
Bromodichloromethane	ND	0.500	ND	3.35		2.5

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-03 D
Client ID: GAC MID POINT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.500	ND	5.16		2.5
Bromomethane	ND	0.500	ND	1.94		2.5
Carbon disulfide	ND	0.500	ND	1.56		2.5
Carbon tetrachloride	ND	0.500	ND	3.14		2.5
Chlorobenzene	ND	0.500	ND	2.30		2.5
Chloroethane	ND	0.500	ND	1.32		2.5
Chloroform	0.825	0.500	4.03	2.44		2.5
Chloromethane	ND	0.500	ND	1.03		2.5
cis-1,2-Dichloroethene	3.79	0.500	15.0	1.98		2.5
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Cyclohexane	ND	0.500	ND	1.72		2.5
Dibromochloromethane	ND	0.500	ND	4.26		2.5
Dichlorodifluoromethane	0.642	0.500	3.17	2.47		2.5
Ethanol	9.99	6.25	18.8	11.8		2.5
Ethyl Acetate	ND	1.25	ND	4.50		2.5
Ethylbenzene	ND	0.500	ND	2.17		2.5
Freon-113	21.1	0.500	161	3.83		2.5
Freon-114	ND	0.500	ND	3.49		2.5
Hexachlorobutadiene	ND	0.500	ND	5.33		2.5
Isopropanol	21.3	1.25	52.2	3.07		2.5
Methylene chloride	ND	1.25	ND	4.34		2.5
4-Methyl-2-pentanone	ND	0.500	ND	2.05		2.5
Methyl tert butyl ether	ND	0.500	ND	1.80		2.5
p/m-Xylene	ND	1.00	ND	4.34		2.5
o-Xylene	ND	0.500	ND	2.17		2.5
Heptane	ND	0.500	ND	2.05		2.5
n-Hexane	ND	0.500	ND	1.76		2.5
Propylene	ND	0.500	ND	0.860		2.5

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-03 D
Client ID: GAC MID POINT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.500	ND	2.13		2.5
Tetrachloroethene	ND	0.500	ND	3.39		2.5
Tetrahydrofuran	ND	0.500	ND	1.47		2.5
Toluene	ND	0.500	ND	1.88		2.5
trans-1,2-Dichloroethene	0.540	0.500	2.14	1.98		2.5
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Trichloroethene	205	0.500	1100	2.68		2.5
Trichlorofluoromethane	0.524	0.500	2.94	2.81		2.5
Vinyl acetate	ND	0.500	ND	1.76		2.5
Vinyl bromide	ND	0.500	ND	2.18		2.5
Vinyl chloride	ND	0.500	ND	1.28		2.5

SAMPLE RESULTS

Lab ID: L0908506-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/27/09 03:24
Analyst: RY

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	37.7	0.200	206	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	4.04	0.200	16.3	0.809		1
1,1-Dichloroethene	1.45	0.200	5.74	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	3.29	0.500	7.81	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

SAMPLE RESULTS

Lab ID: L0908506-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	1.36	0.200	6.62	0.976		1
Chloromethane	0.274	0.200	0.565	0.413		1
cis-1,2-Dichloroethene	4.24	0.200	16.8	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.556	0.200	2.74	0.988		1
Ethanol	11.7	2.50	22.0	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	44.9	0.200	344	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	18.2	0.500	44.6	1.23		1
Methylene chloride	0.932	0.500	3.23	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

SAMPLE RESULTS

Lab ID: L0908506-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 06/23/09 16:15
Date Received: 06/24/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	0.290	0.200	0.855	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	0.640	0.200	2.54	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	34.6	0.200	186	1.07		1
Trichlorofluoromethane	0.586	0.200	3.29	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/09 18:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG368683-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/09 18:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG368683-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/26/09 18:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG368683-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/27/09 17:32

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG368712-4						
Trichloroethene	ND	0.020	ND	0.107		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG368683-3					
1,1,1-Trichloroethane	104	-	70-130	-	
1,1,2,2-Tetrachloroethane	103	-	70-130	-	
1,1,2-Trichloroethane	112	-	70-130	-	
1,1-Dichloroethane	106	-	70-130	-	
1,1-Dichloroethene	100	-	70-130	-	
1,2,4-Trichlorobenzene	100	-	70-130	-	
1,2,4-Trimethylbenzene	116	-	70-130	-	
1,2-Dibromoethane	94	-	70-130	-	
1,2-Dichlorobenzene	116	-	70-130	-	
1,2-Dichloroethane	124	-	70-130	-	
1,2-Dichloropropane	95	-	70-130	-	
1,3,5-Trimethylbenzene	117	-	70-130	-	
1,3-Butadiene	82	-	70-130	-	
1,3-Dichlorobenzene	117	-	70-130	-	
1,4-Dichlorobenzene	114	-	70-130	-	
1,4-Dioxane	94	-	70-130	-	
2,2,4-Trimethylpentane	82	-	70-130	-	
2-Butanone	100	-	70-130	-	
2-Hexanone	82	-	70-130	-	
3-Chloropropene	86	-	70-130	-	
4-Ethyltoluene	116	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-04	Batch: WG368683-3			
Acetone	111	-	70-130	-	
Benzene	97	-	70-130	-	
Benzyl chloride	94	-	70-130	-	
Bromodichloromethane	102	-	70-130	-	
Bromoform	106	-	70-130	-	
Bromomethane	84	-	70-130	-	
Carbon disulfide	87	-	70-130	-	
Carbon tetrachloride	115	-	70-130	-	
Chlorobenzene	108	-	70-130	-	
Chloroethane	82	-	70-130	-	
Chloroform	122	-	70-130	-	
Chloromethane	83	-	70-130	-	
cis-1,2-Dichloroethene	110	-	70-130	-	
cis-1,3-Dichloropropene	87	-	70-130	-	
Cyclohexane	72	-	70-130	-	
Dibromochloromethane	102	-	70-130	-	
Dichlorodifluoromethane	108	-	70-130	-	
Ethyl Alcohol	89	-	70-130	-	
Ethyl Acetate	116	-	70-130	-	
Ethylbenzene	115	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	103	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG368683-3					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	91	-	70-130	-	
Hexachlorobutadiene	110	-	70-130	-	
iso-Propyl Alcohol	94	-	70-130	-	
Methylene chloride	82	-	70-130	-	
4-Methyl-2-pentanone	83	-	70-130	-	
Methyl tert butyl ether	118	-	70-130	-	
p/m-Xylene	114	-	70-130	-	
o-Xylene	118	-	70-130	-	
Heptane	79	-	70-130	-	
n-Hexane	79	-	70-130	-	
Propylene	69	-	70-130	-	
Styrene	110	-	70-130	-	
Tetrachloroethene	103	-	70-130	-	
Tetrahydrofuran	112	-	70-130	-	
Toluene	102	-	70-130	-	
trans-1,2-Dichloroethene	98	-	70-130	-	
trans-1,3-Dichloropropene	87	-	70-130	-	
Trichloroethene	102	-	70-130	-	
Trichlorofluoromethane	124	-	70-130	-	
Vinyl acetate	108	-	70-130	-	
Vinyl bromide	98	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG368683-3					
Vinyl chloride	90	-	70-130	-	
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG368712-3					
1,1,1-Trichloroethane	111	-	70-130	-	
1,1,1,2-Tetrachloroethane	102	-	70-130	-	
1,1,2,2-Tetrachloroethane	93	-	70-130	-	
1,1,2-Trichloroethane	113	-	70-130	-	
1,1-Dichloroethane	114	-	70-130	-	
1,1-Dichloroethene	108	-	70-130	-	
1,2,4-Trimethylbenzene	99	-	70-130	-	
1,2-Dibromoethane	93	-	70-130	-	
1,2-Dichlorobenzene	100	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG368712-3					
1,2-Dichloroethane	153	-	70-130	-	
1,2-Dichloropropane	91	-	70-130	-	
1,3,5-Trimethylbenzene	103	-	70-130	-	
1,3-Butadiene	95	-	70-130	-	
1,3-Dichlorobenzene	103	-	70-130	-	
1,4-Dichlorobenzene	101	-	70-130	-	
Benzene	90	-	70-130	-	
Bromodichloromethane	103	-	70-130	-	
Bromoform	99	-	70-130	-	
Bromomethane	94	-	70-130	-	
Carbon tetrachloride	118	-	70-130	-	
Chlorobenzene	108	-	70-130	-	
Chloroethane	99	-	70-130	-	
Chloroform	130	-	70-130	-	
Chloromethane	97	-	70-130	-	
cis-1,2-Dichloroethene	117	-	70-130	-	
cis-1,3-Dichloropropene	92	-	70-130	-	
Dibromochloromethane	100	-	70-130	-	
Dichlorodifluoromethane	117	-	70-130	-	
Ethylbenzene	103	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	117	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG368712-3					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	115	-	70-130	-	
Methylene chloride	96	-	70-130	-	
Methyl tert butyl ether	107	-	70-130	-	
Naphthalene	88	-	70-130	-	
p/m-Xylene	106	-	70-130	-	
o-Xylene	107	-	70-130	-	
Styrene	99	-	70-130	-	
Tetrachloroethene	115	-	70-130	-	
Toluene	94	-	70-130	-	
trans-1,2-Dichloroethene	105	-	70-130	-	
trans-1,3-Dichloropropene	80	-	70-130	-	
Trichloroethene	105	-	70-130	-	
1,2,4-Trichlorobenzene	93	-	70-130	-	
Trichlorofluoromethane	137	-	70-130	-	
Hexachlorobutadiene	93	-	70-130	-	
Vinyl chloride	101	-	70-130	-	
Acrylonitrile	90	-	70-130	-	
n-Butylbenzene	82	-	70-130	-	
sec-Butylbenzene	96	-	70-130	-	
Isopropylbenzene	108	-	70-130	-	
p-Isopropyltoluene	87	-	70-130	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG368712-3					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	115	-	70-130	-	
Methylene chloride	96	-	70-130	-	
Methyl tert butyl ether	107	-	70-130	-	
Naphthalene	88	-	70-130	-	
p/m-Xylene	106	-	70-130	-	
o-Xylene	107	-	70-130	-	
Styrene	99	-	70-130	-	
Tetrachloroethene	115	-	70-130	-	
Toluene	94	-	70-130	-	
trans-1,2-Dichloroethene	105	-	70-130	-	
trans-1,3-Dichloropropene	80	-	70-130	-	
Trichloroethene	105	-	70-130	-	
1,2,4-Trichlorobenzene	93	-	70-130	-	
Trichlorofluoromethane	137	-	70-130	-	
Hexachlorobutadiene	93	-	70-130	-	
Vinyl chloride	101	-	70-130	-	
Acrylonitrile	90	-	70-130	-	
n-Butylbenzene	82	-	70-130	-	
sec-Butylbenzene	96	-	70-130	-	
Isopropylbenzene	108	-	70-130	-	
p-Isopropyltoluene	87	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG368712-3					
Acetone	108	-	70-130	-	
2-Butanone	91	-	70-130	-	
4-Methyl-2-pentanone	80	-	70-130	-	
Halothane	128	-	70-130	-	
1,2,3-Trichlorobenzene	97	-	70-130	-	

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L0908506
Report Date: 07/01/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG368683-5 QC Sample: L0908506-03 Client ID: GAC MID POINT					
1,1,1-Trichloroethane	22.7	21.7	ppbV	5	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	2.50	2.56	ppbV	2	25
1,1-Dichloroethene	1.02	1.02	ppbV	0	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG368683-5 QC Sample: L0908506-03 Client ID: GAC MID POINT					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	8.37	8.08	ppbV	4	25
Benzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.825	0.817	ppbV	1	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	3.79	3.62	ppbV	5	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.642	0.568	ppbV	12	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG368683-5 QC Sample: L0908506-03 Client ID: GAC MID POINT					
Ethanol	9.99	8.96	ppbV	11	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
Freon-113	21.1	21.4	ppbV	1	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	21.3	20.0	ppbV	6	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG368683-5 QC Sample: L0908506-03 Client ID: GAC MID POINT					
trans-1,2-Dichloroethene	0.540	0.558	ppbV	3	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	205	213	ppbV	4	25
Trichlorofluoromethane	0.524	0.571	ppbV	9	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG368712-5 QC Sample: L0908586-03 Client ID: DUP Sample					
Trichloroethene	0.648	0.651	ppbV	0	25

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0908506-01	AS-2	0356	#16 AMB		-	-	4.9	5.0	2
L0908506-01	AS-2	570	2.7L Can	I0907124	-29.3	-2.4	-	-	-
L0908506-02	INFLUENT	0194	#30 SV		-	-	19.5	17.4	11
L0908506-02	INFLUENT	1718	2.7L Can	I0907124	-29.3	-7.0	-	-	-
L0908506-03	GAC MID POINT	0047	#20 SV		-	-	19.6	20.0	2
L0908506-03	GAC MID POINT	543	2.7L Can	I0907124	-29.3	-9.1	-	-	-
L0908506-04	EFFLUENT	0176	#90 SV		-	-	19.8	18.8	5
L0908506-04	EFFLUENT	395	2.7L Can	I0907124	-29.2	-7.5	-	-	-

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0908506
Report Date: 07/01/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0908506-01A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0908506-02A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0908506-03A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0908506-04A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name:	COMPUTER CIRCUITS	**Lab Number:**	L0908506
Project Number:	TED0001	**Report Date:**	07/01/09

GLOSSARY

Acronyms

EPA	Environmental Protection Agency.
LCS	Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	Laboratory Control Sample Duplicate: Refer to LCS.
MS	Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	Matrix Spike Sample Duplicate: Refer to MS.
NA	Not Applicable.
NC	Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND	Not detected at the reported detection limit for the sample.
NI	Not Ignitable.
RDL	Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

*	The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
A	Spectra identified as "Aldol Condensation Product".
B	The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.
D	Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	The RPD between the results for the two columns exceeds the method-specified criteria.
R	Analytical results are from sample re-analysis.
RE	Analytical results are from sample re-extraction.
J	Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

AIR ANALYSIS CHAIN OF CUSTODY

PAGE OF

ALPHA ANALYTICAL
8 Walkup Drive, Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Date Rec'd in Lab:

ALPHA Job #: L0908506

Project Information

Project Name: Computer Circuits
Project Location: 145 Marcus Blvd
Project #: TED0001
Project Manager: Kris Almskog
ALPHA Quote #:

Report Information / Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Client Information

Client: PW Grosser
Address: 630 Johnson Ave, Ste 7
Bohemia, NY 11716
Phone: 631-589-6353
Fax: 631-589-8705
Email: thomasm@pwgrosser.com
☒ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Other Project Specific Requirements/Comments/Detection Limits:
SIM Analysis for trichloroethene in AS-2

Analysis

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Sample Matrix	Sampler initials	ID CAN	ID Flow Control	TO-14A	TO-15	APH	DISSOLVED GASES	FIXED GASES	TO-13A	TO-15 SULFIDES/MERCAPTANS	DISSOLVED GASES CO2 ONLY	TO-15 SIM				Sample Specific Comments	TOTAL # CONTAINER
0908506-1	AS-2	6/24/09 (3)	08:15	16:00	AA	TM	570	0356	☐	☒	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐		
2	Influent	6/24/09	14:30	16:15	SV	TM	1718	0194	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
3	GAC Mid Point	6/24/09	14:30	16:15	SV	TM	~~305~~ 543	0047	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
4	Effluent	6/24/09	14:30	16:15	SV	TM	~~545~~ 395	0176	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
									☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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									☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
									☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
								Container Type	-	CS	-	-	-	-	-	-	CS	-	-	-		

Shaded Gray Areas For Lab Use Only!

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/25/09 – 10:30 (corrected to 6/24/09)	[signature]	6/24/09 1150
Fed Ex	6/24/09 12:30	Fed Ex	
	6/25/09 0935	N. Auclair	6/25/09 09:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Form 01-03 (I)
Revised 31-JUL-07m

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0912778
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Kris Almskog
Project Name:	COMPUTER CIRCUITS
Project Number:	TED0001
Report Date:	09/16/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0912778-01	AS-2	145 MARCUS BLVD	09/09/09 15:20
L0912778-02	INFLUENT	145 MARCUS BLVD	09/09/09 16:50
L0912778-03	GAC MIDPOINT	145 MARCUS BLVD	09/09/09 16:50
L0912778-04	EFFLUENT	145 MARCUS BLVD	09/09/09 16:50

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air (Low Level)

L0912778-01 through -04 results for Acetone should be considered estimated due to co-elution with a non-target peak.

L0912778-03 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien

Title: Technical Director/Representative

Date: 09/16/09

AIR

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/15/09 17:13
Analyst: AJ

Date Collected: 09/09/09 15:20
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	0.281	0.200	1.38	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	1.57	0.200	4.62	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	17.0	1.00	40.2	2.37		1
Benzene	0.229	0.200	0.731	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 15:20
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.661	0.200	1.36	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.594	0.200	2.94	0.988		1
Ethanol	48.3	2.50	91.0	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	0.213	0.200	0.924	0.868		1
Freon-113	0.586	0.200	4.49	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	84.4	0.500	207	1.23		1
Methylene chloride	1.33	0.500	4.62	1.74		1
4-Methyl-2-pentanone	0.281	0.200	1.15	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	0.466	0.400	2.02	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.627	0.200	2.57	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	0.300	0.200	0.516	0.344		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 15:20
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	1.42	0.200	5.36	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	0.267	0.200	1.43	1.07		1
Trichlorofluoromethane	0.550	0.200	3.09	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-01
Client ID: AS-2
Sample Location: 145 MARCUS BLVD
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/15/09 17:13
Analyst: AJ

Date Collected: 09/09/09 15:20
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.270	0.020	1.45	0.107		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/15/09 18:31
Analyst: AJ

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	4.19	0.200	22.8	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	1.91	0.200	7.74	0.809		1
1,1-Dichloroethene	0.514	0.200	2.04	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.866	0.200	2.55	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	8.26	1.00	19.6	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	0.417	0.200	2.03	0.976		1
Chloromethane	0.361	0.200	0.745	0.413		1
cis-1,2-Dichloroethene	3.06	0.200	12.1	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.626	0.200	3.09	0.988		1
Ethanol	17.2	2.50	32.5	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	2.99	0.200	22.9	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	25.0	0.500	61.4	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-02
Client ID: INFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	6.85	0.200	46.4	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.498	0.200	1.88	0.753		1
trans-1,2-Dichloroethene	0.620	0.200	2.46	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	97.5	0.200	524	1.07		1
Trichlorofluoromethane	0.550	0.200	3.09	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-03 D
Client ID: GAC MIDPOINT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/15/09 19:09
Analyst: AJ

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	10.6	0.500	57.8	2.72		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43		2.5
1,1,2-Trichloroethane	ND	0.500	ND	2.72		2.5
1,1-Dichloroethane	1.70	0.500	6.90	2.02		2.5
1,1-Dichloroethene	0.775	0.500	3.07	1.98		2.5
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71		2.5
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46		2.5
1,2-Dibromoethane	ND	0.500	ND	3.84		2.5
1,2-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,2-Dichloroethane	ND	0.500	ND	2.02		2.5
1,2-Dichloropropane	ND	0.500	ND	2.31		2.5
1,3,5-Trimethybenzene	ND	0.500	ND	2.46		2.5
1,3-Butadiene	ND	0.500	ND	1.10		2.5
1,3-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,4-Dichlorobenzene	ND	0.500	ND	3.00		2.5
1,4-Dioxane	0.660	0.500	2.38	1.80		2.5
2,2,4-Trimethylpentane	ND	0.500	ND	2.33		2.5
2-Butanone	ND	0.500	ND	1.47		2.5
2-Hexanone	ND	0.500	ND	2.05		2.5
3-Chloropropene	ND	0.500	ND	1.56		2.5
4-Ethyltoluene	ND	0.500	ND	2.46		2.5
Acetone	9.11	2.50	21.6	5.93		2.5
Benzene	ND	0.500	ND	1.60		2.5
Benzyl chloride	ND	0.500	ND	2.59		2.5
Bromodichloromethane	ND	0.500	ND	3.35		2.5

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Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-03 D
Client ID: GAC MIDPOINT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.500	ND	5.16		2.5
Bromomethane	ND	0.500	ND	1.94		2.5
Carbon disulfide	ND	0.500	ND	1.56		2.5
Carbon tetrachloride	ND	0.500	ND	3.14		2.5
Chlorobenzene	ND	0.500	ND	2.30		2.5
Chloroethane	ND	0.500	ND	1.32		2.5
Chloroform	ND	0.500	ND	2.44		2.5
Chloromethane	ND	0.500	ND	1.03		2.5
cis-1,2-Dichloroethene	2.56	0.500	10.2	1.98		2.5
cis-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Cyclohexane	ND	0.500	ND	1.72		2.5
Dibromochloromethane	ND	0.500	ND	4.26		2.5
Dichlorodifluoromethane	0.618	0.500	3.05	2.47		2.5
Ethanol	20.0	6.25	37.6	11.8		2.5
Ethyl Acetate	ND	1.25	ND	4.50		2.5
Ethylbenzene	ND	0.500	ND	2.17		2.5
Freon-113	8.24	0.500	63.1	3.83		2.5
Freon-114	ND	0.500	ND	3.49		2.5
Hexachlorobutadiene	ND	0.500	ND	5.33		2.5
Isopropanol	29.4	1.25	72.3	3.07		2.5
Methylene chloride	ND	1.25	ND	4.34		2.5
4-Methyl-2-pentanone	ND	0.500	ND	2.05		2.5
Methyl tert butyl ether	ND	0.500	ND	1.80		2.5
p/m-Xylene	ND	1.00	ND	4.34		2.5
o-Xylene	ND	0.500	ND	2.17		2.5
Heptane	ND	0.500	ND	2.05		2.5
n-Hexane	ND	0.500	ND	1.76		2.5
Propylene	ND	0.500	ND	0.860		2.5

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-03 D
Client ID: GAC MIDPOINT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.500	ND	2.13		2.5
Tetrachloroethene	ND	0.500	ND	3.39		2.5
Tetrahydrofuran	ND	0.500	ND	1.47		2.5
Toluene	ND	0.500	ND	1.88		2.5
trans-1,2-Dichloroethene	0.622	0.500	2.47	1.98		2.5
trans-1,3-Dichloropropene	ND	0.500	ND	2.27		2.5
Trichloroethene	227	0.500	1220	2.68		2.5
Trichlorofluoromethane	0.705	0.500	3.96	2.81		2.5
Vinyl acetate	ND	0.500	ND	1.76		2.5
Vinyl bromide	ND	0.500	ND	2.18		2.5
Vinyl chloride	ND	0.500	ND	1.28		2.5

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/15/09 19:48
Analyst: AJ

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	40.1	0.200	219	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	2.40	0.200	9.71	0.809		1
1,1-Dichloroethene	1.06	0.200	4.22	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.223	0.200	0.657	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	5.75	1.00	13.6	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

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Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	0.762	0.200	3.72	0.976		1
Chloromethane	0.298	0.200	0.615	0.413		1
cis-1,2-Dichloroethene	3.59	0.200	14.2	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.507	0.200	2.50	0.988		1
Ethanol	27.5	2.50	51.7	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	30.9	0.200	236	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	21.3	0.500	52.2	1.23		1
Methylene chloride	0.984	0.500	3.42	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	0.254	0.200	0.437	0.344		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

SAMPLE RESULTS

Lab ID: L0912778-04
Client ID: EFFLUENT
Sample Location: 145 MARCUS BLVD

Date Collected: 09/09/09 16:50
Date Received: 09/11/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	0.651	0.200	2.58	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	30.4	0.200	163	1.07		1
Trichlorofluoromethane	0.417	0.200	2.34	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/15/09 13:41

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG379793-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	1.00	ND	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/15/09 13:41

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG379793-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/15/09 13:41

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-04 Batch: WG379793-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/15/09 13:41

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG379795-4						
Trichloroethene	ND	0.020	ND	0.107		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG379793-3					
1,1,1-Trichloroethane	104	-	70-130	-	
1,1,2,2-Tetrachloroethane	101	-	70-130	-	
1,1,2-Trichloroethane	104	-	70-130	-	
1,1-Dichloroethane	114	-	70-130	-	
1,1-Dichloroethene	106	-	70-130	-	
1,2,4-Trichlorobenzene	99	-	70-130	-	
1,2,4-Trimethylbenzene	105	-	70-130	-	
1,2-Dibromoethane	93	-	70-130	-	
1,2-Dichlorobenzene	105	-	70-130	-	
1,2-Dichloroethane	116	-	70-130	-	
1,2-Dichloropropane	100	-	70-130	-	
1,3,5-Trimethylbenzene	102	-	70-130	-	
1,3-Butadiene	98	-	70-130	-	
1,3-Dichlorobenzene	105	-	70-130	-	
1,4-Dichlorobenzene	106	-	70-130	-	
1,4-Dioxane	102	-	70-130	-	
2,2,4-Trimethylpentane	94	-	70-130	-	
2-Butanone	106	-	70-130	-	
2-Hexanone	104	-	70-130	-	
3-Chloropropene	100	-	70-130	-	
4-Ethyltoluene	102	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

roject Name: COMPUTER CIRCUITS
roject Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

ameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
latile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG379793-3					
Acetone	98	-	70-130	-	
Benzene	97	-	70-130	-	
Benzyl chloride	99	-	70-130	-	
Bromodichloromethane	99	-	70-130	-	
Bromoform	101	-	70-130	-	
Bromomethane	86	-	70-130	-	
Carbon disulfide	95	-	70-130	-	
Carbon tetrachloride	106	-	70-130	-	
Chlorobenzene	101	-	70-130	-	
Chloroethane	98	-	70-130	-	
Chloroform	108	-	70-130	-	
Chloromethane	98	-	70-130	-	
cis-1,2-Dichloroethene	104	-	70-130	-	
cis-1,3-Dichloropropene	89	-	70-130	-	
Cyclohexane	90	-	70-130	-	
Dibromochloromethane	96	-	70-130	-	
Dichlorodifluoromethane	110	-	70-130	-	
Ethyl Alcohol	106	-	70-130	-	
Ethyl Acetate	106	-	70-130	-	
Ethylbenzene	102	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	112	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

oject Name: COMPUTER CIRCUITS
oject Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

ameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
atile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG379793-3					
1,2-Dichloro-1,1,2,2-tetrafluoroethane	104	-	70-130	-	
Hexachlorobutadiene	104	-	70-130	-	
iso-Propyl Alcohol	103	-	70-130	-	
Methylene chloride	101	-	70-130	-	
4-Methyl-2-pentanone	107	-	70-130	-	
Methyl tert butyl ether	109	-	70-130	-	
p/m-Xylene	102	-	70-130	-	
o-Xylene	103	-	70-130	-	
Heptane	89	-	70-130	-	
n-Hexane	91	-	70-130	-	
Propylene	84	-	70-130	-	
Styrene	101	-	70-130	-	
Tetrachloroethene	96	-	70-130	-	
Tetrahydrofuran	111	-	70-130	-	
Toluene	98	-	70-130	-	
trans-1,2-Dichloroethene	103	-	70-130	-	
trans-1,3-Dichloropropene	74	-	70-130	-	
Trichloroethene	99	-	70-130	-	
Trichlorofluoromethane	114	-	70-130	-	
Vinyl acetate	115	-	70-130	-	
Vinyl bromide	100	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

roject Name: COMPUTER CIRCUITS
roject Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

ameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
atile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 Batch: WG379793-3					
Vinyl chloride	100	-	70-130	-	
atile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG379795-3					
Trichloroethene	113	-	70-130	-	

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117				70-130
Toluene-d8	109				70-130
Bromofluorobenzene	115				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

ıeter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
e Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-04	QC Batch ID: WG379793-5	QC Sample: L0912778-01	Client ID: AS-2	
1-Trichloroethane	ND	ND	ppbV	NC	25
2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
2-Trichloroethane	ND	ND	ppbV	NC	25
Dichloroethane	ND	ND	ppbV	NC	25
Dichloroethene	ND	ND	ppbV	NC	25
4-Trichlorobenzene	ND	ND	ppbV	NC	25
4-Trimethylbenzene	0.281	0.268	ppbV	5	25
Dibromoethane	ND	ND	ppbV	NC	25
Dichlorobenzene	ND	ND	ppbV	NC	25
Dichloroethane	ND	ND	ppbV	NC	25
Dichloropropane	ND	ND	ppbV	NC	25
5-Trimethybenzene	ND	ND	ppbV	NC	25
Butadiene	ND	ND	ppbV	NC	25
Dichlorobenzene	ND	ND	ppbV	NC	25
Dichlorobenzene	ND	ND	ppbV	NC	25
Dioxane	ND	ND	ppbV	NC	25
4-Trimethylpentane	ND	ND	ppbV	NC	25
ıtanone	1.57	1.43	ppbV	9	25
exanone	ND	ND	ppbV	NC	25

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L0912778
Report Date: 09/16/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG379793-5 QC Sample: L0912778-01 Client ID: AS-2					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	17.0	16.1	ppbV	5	25
Benzene	0.229	0.238	ppbV	4	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	0.661	0.621	ppbV	6	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.594	0.597	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

meter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
tile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-04	QC Batch ID: WG379793-5	QC Sample: L0912778-01	Client ID: AS-2	
hanol	48.3	47.5	ppbV	2	25
hyl Acetate	ND	ND	ppbV	NC	25
hylbenzene	0.213	ND	ppbV	NC	25
eon-113	0.586	0.540	ppbV	8	25
eon-114	ND	ND	ppbV	NC	25
exachlorobutadiene	ND	ND	ppbV	NC	25
opropanol	84.4	83.7	ppbV	1	25
ethylene chloride	1.33	1.38	ppbV	4	25
Methyl-2-pentanone	0.281	ND	ppbV	NC	25
ethyl tert butyl ether	ND	ND	ppbV	NC	25
m-Xylene	0.466	0.429	ppbV	8	25
Xylene	ND	ND	ppbV	NC	25
eptane	0.627	0.601	ppbV	4	25
Hexane	ND	ND	ppbV	NC	25
opylene	0.300	0.326	ppbV	8	25
yrene	ND	ND	ppbV	NC	25
trachloroethene	ND	ND	ppbV	NC	25
trahydrofuran	ND	ND	ppbV	NC	25
luene	1.42	1.43	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

meter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
ile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG379793-5 QC Sample: L0912778-01 Client ID: AS-2					
ıns-1,2-Dichloroethene	ND	ND	ppbV	NC	25
ıns-1,3-Dichloropropene	ND	ND	ppbV	NC	25
ichloroethene	0.267	0.297	ppbV	11	25
ichlorofluoromethane	0.550	0.520	ppbV	6	25
ıyl acetate	ND	ND	ppbV	NC	25
ıyl bromide	ND	ND	ppbV	NC	25
ıyl chloride	ND	ND	ppbV	NC	25
ile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG379795-5 QC Sample: L0912778-01 Client ID: AS-2					
chloroethene	0.270	0.272	ppbV	1	25

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Project Name: COMPUTER CIRCUITS

Lab Number: L0912778

Project Number: TED0001

Report Date: 09/16/09

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0912778-01	AS-2	0455	#16 AMB		-	-	4.9	4.8	2
L0912778-01	AS-2	475	2.7L Can	L0911917	-29.6	-3.1	-	-	-
L0912778-02	INFLUENT	0454	#90 SV		-	-	19.6	20.0	2
L0912778-02	INFLUENT	400	2.7L Can	L0911917	-29.6	-6.8	-	-	-
L0912778-03	GAC MIDPOINT	0337	#30 AMB		-	-	19.7	20.8	5
L0912778-03	GAC MIDPOINT	254	2.7L Can	L0911917	-29.6	-7.1	-	-	-
L0912778-04	EFFLUENT	0248	#16 AMB		-	-	19.3	20.0	4
L0912778-04	EFFLUENT	391	2.7L Can	l0911829	-29.6	-9.3	-	-	-

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0912778-01A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30),TO15-SIM(30)
L0912778-02A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L0912778-03A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)
L0912778-04A	Canister - 2.7 Liter	N/A	N/A		NA	Absent	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name: COMPUTER CIRCUITS **Lab Number:** L0912778

Project Number: TED0001 **Report Date:** 09/16/09

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND · Not detected at the reported detection limit for the sample.

NI · Not Ignitable.

RDL · Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A · Spectra identified as "Aldol Condensation Product".

B · The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D · Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E · Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H · The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P · The RPD between the results for the two columns exceeds the method-specified criteria.

Q · The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)

R · Analytical results are from sample re-analysis.

RE · Analytical results are from sample re-extraction.

J · Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Project Name: COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0912778
Report Date: 09/16/09

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

09160917:14

Date Rec'd In Lab:

ALPHA Job #: L0912778

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: 631 589 6353
Fax: 631 589 8705
Email: thomasM@pwgrosser.com
☑ These samples have been previously analyzed by Alpha

Project Information

Project Name: Computer Circuits
Project Location: 145 Marcus Blvd
Project #: TED0001
Project Manager: Kris Almskog
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limi

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:
SIM Analysis for TCE in Sample AS-2

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PI
12778-1	AS-2	9/9/09	8:10	15:20	-30	-5	AA	TM	2.7	475	0455		X	X					
2	Influent	9/9/09	15:10	16:50	-30	-6	SV	TM	2.7	400	0454		X						
3	GAC Midpoint	9/9/09	15:10	16:50	-30	-9	SV	TM	2.7	254	0337		X						
4	Effluent	9/9/09	15:10	16:50	-30	-11	SV	TM	2.7	391	0248		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: 6S

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
T. Melka	9/9/09 17:00		
	9/14/09 1100		9/14/09 1425

Form No: 101-02 (19-Jun-09)

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0918894
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Thomas Melia
Project Name:	FORMER COMPUTER CIRCUITS
Project Number:	TED0001
Report Date:	01/05/10

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

ALPHA ANALYTICAL

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0918894-01	IA-1	145 MARCUS BLVD.	12/29/09 15:55
L0918894-02	IA-2	145 MARCUS BLVD.	12/29/09 15:55
L0918894-03	IA-3	145 MARCUS BLVD.	12/29/09 16:40
L0918894-04	IA-4	145 MARCUS BLVD.	12/29/09 15:55
L0918894-05	IA-5	145 MARCUS BLVD.	12/29/09 16:02
L0918894-06	IA-6	145 MARCUS BLVD.	12/29/09 16:40
L0918894-07	IA-7	145 MARCUS BLVD.	12/29/09 16:40
L0918894-08	IA-8	145 MARCUS BLVD.	12/29/09 16:40
L0918894-09	NORTH SYSTEM INFLUENT	145 MARCUS BLVD.	12/29/09 17:20
L0918894-10	SOUTH SYSTEM INFLUENT	145 MARCUS BLVD.	12/29/09 17:15

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Volatile Organics in Air (Low Level)

L0918894-09 and -10: results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG395274-3 LCS recovery for Vinyl acetate (140%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien

Title: Technical Director/Representative

Date: 01/05/10

AIR

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-01
Client ID: IA-1
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 19:59
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.455	0.200	1.34	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	5.11	1.00	12.1	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-01
Client ID: IA-1
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.605	0.200	1.25	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.458	0.200	2.26	0.988		1
Ethanol	26.2	2.50	49.3	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	27.2	0.500	66.7	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	0.598	0.200	2.45	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.345	0.200	1.41	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	0.236	0.200	0.406	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-01
Client ID: IA-1
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.354	0.200	1.33	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.267	0.200	1.50	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-01
Client ID: IA-1
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 19:59
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.020	ND	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-02
Client ID: IA-2
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 20:37
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.432	0.200	1.27	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	1.00	ND	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS **Lab Number:** L0918894

Project Number: TED0001 **Report Date:** 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-02 Date Collected: 12/29/09 15:55

Client ID: IA-2 Date Received: 12/30/09

Sample Location: 145 MARCUS BLVD. Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.586	0.200	1.21	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.465	0.200	2.30	0.988		1
Ethanol	92.6	2.50	174	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	22.9	0.500	56.2	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	0.555	0.200	2.27	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.246	0.200	1.01	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-02
Client ID: IA-2
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.360	0.200	1.36	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.374	0.200	2.10	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-02
Client ID: IA-2
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 20:37
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.020	ND	0.107		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-03
Client ID: IA-3
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 21:15
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	0.475	0.200	2.22	0.934		1
2-Butanone	0.506	0.200	1.49	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	6.06	1.00	14.4	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-03
Client ID: IA-3
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.593	0.200	1.22	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.254	0.200	0.874	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.432	0.200	2.13	0.988		1
Ethanol	55.7	2.50	105	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	50.2	0.500	123	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.491	0.200	2.01	0.819		1
n-Hexane	0.232	0.200	0.817	0.704		1
Propylene	ND	0.200	ND	0.344		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-03
Client ID: IA-3
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.536	0.200	2.02	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.205	0.200	1.15	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-03
Client ID: IA-3
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 21:15
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.181	0.020	0.972	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-04
Client ID: IA-4
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 21:53
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.287	0.200	0.846	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	3.38	1.00	8.02	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-04
Client ID: IA-4
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.540	0.200	1.11	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.442	0.200	2.18	0.988		1
Ethanol	13.7	2.50	25.7	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	15.3	0.500	37.6	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	0.328	0.200	1.34	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.200	0.200	0.819	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	0.256	0.200	0.440	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-04
Client ID: IA-4
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.236	0.200	1.32	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-04
Client ID: IA-4
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 21:53
Analyst: RY

Date Collected: 12/29/09 15:55
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.020	ND	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-05
Client ID: IA-5
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 22:31
Analyst: RY

Date Collected: 12/29/09 16:02
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.339	0.200	0.999	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	3.28	1.00	7.78	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-05
Client ID: IA-5
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:02
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.572	0.200	1.18	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.451	0.200	2.23	0.988		1
Ethanol	25.0	2.50	47.0	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	2.22	0.500	5.45	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-05
Client ID: IA-5
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:02
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.218	0.200	1.22	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Lab Number: L0918894
Project Number: TED0001
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID:	L0918894-05	Date Collected:	12/29/09 16:02
Client ID:	IA-5	Date Received:	12/30/09
Sample Location:	145 MARCUS BLVD.	Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	12/31/09 22:31		
Analyst:	RY		

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	ND	0.020	ND	0.107		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-06
Client ID: IA-6
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/31/09 23:48
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	1.17	0.200	5.47	0.934		1
2-Butanone	0.452	0.200	1.33	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	7.02	1.00	16.7	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-06
Client ID: IA-6
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.663	0.200	1.37	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.204	0.200	0.702	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.413	0.200	2.04	0.988		1
Ethanol	47.4	2.50	89.3	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	52.0	0.500	128	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.830	0.200	3.40	0.819		1
n-Hexane	0.224	0.200	0.789	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-06
Client ID: IA-6
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.692	0.200	2.60	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.201	0.200	1.13	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-06
Client ID: IA-6
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 23:48
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.150	0.020	0.805	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-07
Client ID: IA-7
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/01/10 00:26
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	0.461	0.200	2.15	0.934		1
2-Butanone	0.479	0.200	1.41	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	6.23	1.00	14.8	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-07
Client ID: IA-7
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.605	0.200	1.25	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.207	0.200	0.712	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.414	0.200	2.04	0.988		1
Ethanol	50.9	2.50	95.9	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	53.6	0.500	132	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.505	0.200	2.07	0.819		1
n-Hexane	0.204	0.200	0.718	0.704		1
Propylene	ND	0.200	ND	0.344		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-07
Client ID: IA-7
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.458	0.200	1.72	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.200	0.200	1.12	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-07
Client ID: IA-7
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/01/10 00:26
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.159	0.020	0.854	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-08
Client ID: IA-8
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/01/10 01:04
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	0.528	0.200	2.46	0.934		1
2-Butanone	0.608	0.200	1.79	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	7.08	1.00	16.8	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

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Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-08
Client ID: IA-8
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.685	0.200	1.41	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	0.229	0.200	0.788	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.455	0.200	2.25	0.988		1
Ethanol	57.1	2.50	107	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	60.9	0.500	149	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	0.550	0.200	2.25	0.819		1
n-Hexane	0.202	0.200	0.711	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-08
Client ID: IA-8
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	0.508	0.200	1.91	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	0.215	0.200	1.21	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-08
Client ID: IA-8
Sample Location: 145 MARCUS BLVD.
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/01/10 01:04
Analyst: RY

Date Collected: 12/29/09 16:40
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab						
Trichloroethene	0.195	0.020	1.05	0.107		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-09
Client ID: NORTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/01/10 01:42
Analyst: RY

Date Collected: 12/29/09 17:20
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	2.40	0.200	13.1	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	1.77	0.200	7.15	0.809		1
1,1-Dichloroethene	0.278	0.200	1.10	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	1.70	0.200	6.13	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.216	0.200	0.636	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	1.70	1.00	4.04	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-09
Client ID: NORTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 17:20
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	0.333	0.200	0.687	0.413		1
cis-1,2-Dichloroethene	0.685	0.200	2.71	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.466	0.200	2.30	0.988		1
Ethanol	4.74	2.50	8.92	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	1.63	0.200	12.5	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	3.80	0.500	9.33	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-09
Client ID: NORTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 17:20
Date Received: 12/30/09
Field Prep: Not Specified

	ppbV		ug/m3			
Parameter	**Results**	**RDL**	**Results**	**RDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	1.82	0.200	12.3	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	19.8	0.200	106	1.07		1
Trichlorofluoromethane	0.251	0.200	1.41	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-10
Client ID: SOUTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 01/01/10 02:20
Analyst: RY

Date Collected: 12/29/09 17:15
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
1,1,1-Trichloroethane	3.27	0.200	17.8	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	0.616	0.200	2.49	0.809		1
1,1-Dichloroethene	0.345	0.200	1.37	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	1.04	0.200	3.73	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	0.233	0.200	0.687	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	1.92	1.00	4.55	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-10
Client ID: SOUTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.

Date Collected: 12/29/09 17:15
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	1.00	0.200	4.90	0.976		1
Chloromethane	0.285	0.200	0.588	0.413		1
cis-1,2-Dichloroethene	0.316	0.200	1.25	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	0.663	0.200	3.28	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	19.0	0.200	145	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	1.06	0.500	2.60	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	0.402	0.400	1.74	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	0.328	0.200	1.16	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0918894
Report Date: 01/05/10

SAMPLE RESULTS

Lab ID: L0918894-10
Client ID: SOUTH SYSTEM INFLUENT
Sample Location: 145 MARCUS BLVD.
Date Collected: 12/29/09 17:15
Date Received: 12/30/09
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab						
Styrene	0.282	0.200	1.20	0.851		1
Tetrachloroethene	4.93	0.200	33.4	1.36		1
Tetrahydrofuran	0.441	0.200	1.30	0.589		1
Toluene	0.904	0.200	3.40	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	14.7	0.200	79.2	1.07		1
Trichlorofluoromethane	0.541	0.200	3.04	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

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Project Name: FORMER COMPUTER CIRCUITS
Lab Number: L0918894
Project Number: TED0001
Report Date: 01/05/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/31/09 15:53

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-10 Batch: WG395274-4						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	1.00	ND	2.37		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/31/09 15:53

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-10 Batch: WG395274-4						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/31/09 15:53

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-10 Batch: WG395274-4						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/31/09 15:53

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-08 Batch: WG395275-4						
Trichloroethene	ND	0.020	ND	0.107		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-10 Batch: WG395274-3							
1,1,1-Trichloroethane	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	119		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
1,1-Dichloroethane	119		-		70-130	-		
1,1-Dichloroethene	92		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	109		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
1,3,5-Trimethylbenzene	107		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
2-Butanone	95		-		70-130	-		
2-Hexanone	96		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
4-Ethyltoluene	111		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

oject Name: FORMER COMPUTER CIRCUITS
oject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

ameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
atile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-10		Batch: WG395274-3					
Acetone	102		-		70-130	-		
Benzene	96		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
Bromoform	96		-		70-130	-		
Bromomethane	87		-		70-130	-		
Carbon disulfide	85		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Chloroethane	93		-		70-130	-		
Chloroform	88		-		70-130	-		
Chloromethane	94		-		70-130	-		
cis-1,2-Dichloroethene	87		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
Cyclohexane	94		-		70-130	-		
Dibromochloromethane	97		-		70-130	-		
Dichlorodifluoromethane	85		-		70-130	-		
Ethyl Alcohol	99		-		70-130	-		
Ethyl Acetate	93		-		70-130	-		
Ethylbenzene	103		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	93		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

ject Name: FORMER COMPUTER CIRCUITS
ject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

neter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
ile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-10		Batch: WG395274-3					
2-Dichloro-1,1,2,2-tetrafluoroethane	90		-		70-130	-		
exachlorobutadiene	96		-		70-130	-		
o-Propyl Alcohol	88		-		70-130	-		
ethylene chloride	96		-		70-130	-		
Methyl-2-pentanone	111		-		70-130	-		
ethyl tert butyl ether	118		-		70-130	-		
m-Xylene	104		-		70-130	-		
Xylene	108		-		70-130	-		
eptane	99		-		70-130	-		
Hexane	96		-		70-130	-		
opylene	90		-		70-130	-		
yrene	108		-		70-130	-		
trachloroethene	90		-		70-130	-		
trahydrofuran	100		-		70-130	-		
luene	99		-		70-130	-		
ans-1,2-Dichloroethene	109		-		70-130	-		
ans-1,3-Dichloropropene	89		-		70-130	-		
ichloroethene	88		-		70-130	-		
ichlorofluoromethane	91		-		70-130	-		
nyl acetate	**140**	Q	-		70-130	-		
nyl bromide	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

roject Name: FORMER COMPUTER CIRCUITS
roject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

ameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
latile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-10 Batch: WG395274-3								
Vinyl chloride	91		-		70-130	-		
Naphthalene	94		-		70-130	-		
Propane	81		-		70-130	-		
Acrylonitrile	96		-		70-130	-		
Acrolein	88		-		70-130	-		
1,1,1,2-Tetrachloroethane	91		-		70-130	-		
Isopropylbenzene	106		-		70-130	-		
1,2,3-Trichloropropane	110		-		70-130	-		
Acetonitrile	98		-		70-130	-		
Bromobenzene	103		-		70-130	-		
Chlorodifluoromethane	82		-		70-130	-		
Dichlorofluoromethane	87		-		70-130	-		
Dibromomethane	92		-		70-130	-		
Pentane	85		-		70-130	-		
Octane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	91		-		70-130	-		
o-Chlorotoluene	99		-		70-130	-		
p-Chlorotoluene	105		-		70-130	-		
2,2-Dichloropropane	80		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab	Associated sample(s): 01-10		Batch: WG395274-3					
Ethyl-Tert-Butyl-Ether	96		-		70-130	-		
1,2,3-Trichlorobenzene	93		-		70-130	-		
Ethyl ether	104		-		70-130	-		
n-Butylbenzene	112		-		70-130	-		
sec-Butylbenzene	108		-		70-130	-		
tert-Butylbenzene	104		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
p-Isopropyltoluene	97		-		70-130	-		
n-Propylbenzene	105		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		
Methanol	91		-		70-130	-		
Butane	88		-		70-130	-		
Nonane (C9)	113		-		70-130	-		
Decane (C10)	110		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	101		-		70-130	-		
Butyl Acetate	93		-		70-130	-		
tert-Butyl Alcohol	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 Batch: WG395275-3								
1,1,1-Trichloroethane	102		-		70-130	-		
1,1,1,2-Tetrachloroethane	85		-		70-130	-		
1,1,2,2-Tetrachloroethane	85		-		70-130	-		
1,1,2-Trichloroethane	101		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
1,2,4-Trimethylbenzene	80		-		70-130	-		
1,2-Dibromoethane	89		-		70-130	-		
1,2-Dichlorobenzene	80		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
1,2-Dichloropropane	102		-		70-130	-		
1,3,5-Trimethylbenzene	79		-		70-130	-		
1,3-Butadiene	114		-		70-130	-		
1,3-Dichlorobenzene	79		-		70-130	-		
1,4-Dichlorobenzene	77		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Benzene	94		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
Bromoform	86		-		70-130	-		
Bromomethane	110		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

oject Name: FORMER COMPUTER CIRCUITS
oject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

meter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
tile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 Batch: WG395275-3								
hlorobenzene	89		-		70-130	-		
hloroethane	111		-		70-130	-		
hloroform	93		-		70-130	-		
hloromethane	106		-		70-130	-		
is-1,2-Dichloroethene	89		-		70-130	-		
is-1,3-Dichloropropene	100		-		70-130	-		
ibromochloromethane	92		-		70-130	-		
ichlorodifluoromethane	107		-		70-130	-		
thylbenzene	83		-		70-130	-		
,1,2-Trichloro-1,2,2-Trifluoroethane	111		-		70-130	-		
,2-Dichloro-1,1,2,2-tetrafluoroethane	114		-		70-130	-		
lethylene chloride	113		-		70-130	-		
lethyl tert butyl ether	74		-		70-130	-		
laphthalene	77		-		70-130	-		
/m-Xylene	81		-		70-130	-		
-Xylene	81		-		70-130	-		
tyrene	80		-		70-130	-		
etrachloroethene	88		-		70-130	-		
oluene	81		-		70-130	-		
ans-1,2-Dichloroethene	122		-		70-130	-		
ans-1,3-Dichloropropene	81		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

rameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
olatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 Batch: WG395275-3								
Trichloroethene	98		-		70-130	-		
1,2,4-Trichlorobenzene	79		-		70-130	-		
Trichlorofluoromethane	110		-		70-130	-		
Hexachlorobutadiene	76		-		70-130	-		
Vinyl chloride	111		-		70-130	-		
Acrylonitrile	88		-		70-130	-		
n-Butylbenzene	86		-		70-130	-		
sec-Butylbenzene	80		-		70-130	-		
Isopropylbenzene	79		-		70-130	-		
p-Isopropyltoluene	75		-		70-130	-		
Acetone	95		-		70-130	-		
2-Butanone	82		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
Halothane	97		-		70-130	-		
1,2,3-Trichlorobenzene	87		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

roject Name: FORMER COMPUTER CIRCUITS
roject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

eter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
: Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG395274-5 QC Sample: L0918894-05 Client ID: IA-5						
-Trichloroethane	ND	ND	ppbV	NC		25
,2-Tetrachloroethane	ND	ND	ppbV	NC		25
-Trichloroethane	ND	ND	ppbV	NC		25
)ichloroethane	ND	ND	ppbV	NC		25
)ichloroethene	ND	ND	ppbV	NC		25
-Trichlorobenzene	ND	ND	ppbV	NC		25
-Trimethylbenzene	ND	ND	ppbV	NC		25
)ibromoethane	ND	ND	ppbV	NC		25
)ichlorobenzene	ND	ND	ppbV	NC		25
)ichloroethane	ND	ND	ppbV	NC		25
)ichloropropane	ND	ND	ppbV	NC		25
-Trimethybenzene	ND	ND	ppbV	NC		25
:utadiene	ND	ND	ppbV	NC		25
)ichlorobenzene	ND	ND	ppbV	NC		25
)ichlorobenzene	ND	ND	ppbV	NC		25
)ioxane	ND	ND	ppbV	NC		25
-Trimethylpentane	ND	ND	ppbV	NC		25
:anone	0.339	0.316	ppbV	7		25
xanone	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

eter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
e Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG395274-5 QC Sample: L0918894-05 Client ID: IA-5					
loropropene	ND	ND	ppbV	NC	25
nyltoluene	ND	ND	ppbV	NC	25
one	3.28	3.25	ppbV	1	25
ene	ND	ND	ppbV	NC	25
yl chloride	ND	ND	ppbV	NC	25
odichloromethane	ND	ND	ppbV	NC	25
oform	ND	ND	ppbV	NC	25
omethane	ND	ND	ppbV	NC	25
on disulfide	ND	ND	ppbV	NC	25
on tetrachloride	ND	ND	ppbV	NC	25
robenzene	ND	ND	ppbV	NC	25
roethane	ND	ND	ppbV	NC	25
roform	ND	ND	ppbV	NC	25
romethane	0.572	0.573	ppbV	0	25
,2-Dichloroethene	ND	ND	ppbV	NC	25
,3-Dichloropropene	ND	ND	ppbV	NC	25
hexane	ND	ND	ppbV	NC	25
mochloromethane	ND	ND	ppbV	NC	25
orodifluoromethane	0.451	0.439	ppbV	3	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

ameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
ıtile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG395274-5 QC Sample: L0918894-05 Client ID: IA-5					
thanol	25.0	24.3	ppbV	3	25
thyl Acetate	ND	ND	ppbV	NC	25
thylbenzene	ND	ND	ppbV	NC	25
reon-113	ND	ND	ppbV	NC	25
reon-114	ND	ND	ppbV	NC	25
exachlorobutadiene	ND	ND	ppbV	NC	25
opropanol	2.22	2.15	ppbV	3	25
lethylene chloride	ND	ND	ppbV	NC	25
-Methyl-2-pentanone	ND	ND	ppbV	NC	25
lethyl tert butyl ether	ND	ND	ppbV	NC	25
'm-Xylene	ND	ND	ppbV	NC	25
-Xylene	ND	ND	ppbV	NC	25
eptane	ND	ND	ppbV	NC	25
-Hexane	ND	ND	ppbV	NC	25
ropylene	ND	ND	ppbV	NC	25
tyrene	ND	ND	ppbV	NC	25
etrachloroethene	ND	ND	ppbV	NC	25
etrahydrofuran	ND	ND	ppbV	NC	25
oluene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

roject Name: FORMER COMPUTER CIRCUITS
roject Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

eter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG395274-5 QC Sample: L0918894-05 Client ID: IA-5					
-1,2-Dichloroethene	ND	ND	ppbV	NC	25
-1,3-Dichloropropene	ND	ND	ppbV	NC	25
loroethene	ND	ND	ppbV	NC	25
lorofluoromethane	0.218	0.211	ppbV	3	25
acetate	ND	ND	ppbV	NC	25
bromide	ND	ND	ppbV	NC	25
chloride	ND	ND	ppbV	NC	25
Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG395275-5 QC Sample: L0918894-05 Client ID: IA-5					
loroethene	ND	ND	ppbV	NC	25

01051016:14

Project Name: FORMER COMPUTER CIRCUITS

Lab Number: L0918894

Project Number: TED0001

Report Date: 01/05/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0918894-01	IA-1	0389	#16 AMB		-	-	4.3	4.3	0
L0918894-01	IA-1	388	2.7L Can	L0918249	-29.5	-4.4	-	-	-
L0918894-02	IA-2	0089	#16 AMB		-	-	4.5	4.6	2
L0918894-02	IA-2	149B	2.7L Can	I0918249	-29.5	-2.0	-	-	-
L0918894-03	IA-3	0143	#16 AMB		-	-	4.4	4.6	4
L0918894-03	IA-3	416	2.7L Can	I0918249	-29.5	-5.0	-	-	-
L0918894-04	IA-4	0113	#16 AMB		-	-	4.2	4.2	0
L0918894-04	IA-4	421	2.7L Can	I0918249	-29.5	-3.8	-	-	-
L0918894-05	IA-5	0154	#16 AMB		-	-	4.3	4.4	2
L0918894-05	IA-5	115	2.7L Can	I0918249	-29.5	-6.1	-	-	-
L0918894-06	IA-6	0427	#16 AMB		-	-	4.4	4.6	4
L0918894-06	IA-6	133	2.7L Can	I0918249	-29.2	-4.0	-	-	-
L0918894-07	IA-7	0139	#16 AMB		-	-	4.5	4.6	2
L0918894-07	IA-7	232	2.7L Can	I0918249	-29.5	-4.2	-	-	-
L0918894-08	IA-8	0069	#16 AMB		-	-	4.4	4.4	0
L0918894-08	IA-8	531	2.7L Can	L0918353	-29.5	-4.8	-	-	-
L0918894-09	NORTH SYSTEM INFLUENT	0347	#30 SV		-	-	17.7	14.6	19

01051016:14

Project Name: FORMER COMPUTER CIRCUITS

Lab Number: L0918894

Project Number: TED0001

Report Date: 01/05/10

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0918894-09	NORTH SYSTEM INFLUENT	1748	2.7L Can	L0918353	-29.5	-1.2	-	-	-
L0918894-10	SOUTH SYSTEM INFLUENT	0335	#16 SV		-	-	17.6	18.5	5
L0918894-10	SOUTH SYSTEM INFLUENT	1727	2.7L Can	I0918249	-29.5	-8.1	-	-	-

01051016:14

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001

Lab Number: L0918894
Report Date: 01/05/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0918894-01A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-02A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-03A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-04A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-05A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-06A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-07A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-08A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30),TO15-SIM(30)
L0918894-09A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)
L0918894-10A	Canister - 2.7 Liter	N/A	N/A		NA	Present/Intact	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name:	FORMER COMPUTER CIRCUITS	**Lab Number:**	L0918894
Project Number:	TED0001	**Report Date:**	01/05/10

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

NI - Not Ignitable.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Project Name: FORMER COMPUTER CIRCUITS
Project Number: TED0001
Lab Number: L0918894
Report Date: 01/05/10

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 15, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. ***NELAP Accredited.***

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 3005A,3020, 6020, 245.1, 245.7, 1631E, 7470A, 7474, 9014, 120.1, 9050A, 180.1, SM4500H-B, 2320B, 2510B, 2540D,9040. Organic Parameters: EPA 3510C, 5030B, 9010B, 624, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

01051016:14

AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF ____

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L0918894

Client Information

Client: PWGC
Address: 630 Johnson Ave
Bohemia, NY 11716
Phone: 631 589 6353
Fax: 631 589 8705
Email: thomasm@pwgrosser.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Computer Circuits
Project Location: 145 Marcus Blvd
Project #: TED0001
Project Manager: T. Melia
ALPHA Quote #: 2009206

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

SIM Analysis for TCE

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4/TO-10	Sample Comments (i.e. PID)
18894-1	IA-1	12/29	0815	1555	-30	-6	AA	TM	2.7	388	0389		X	X					
2	IA-2	↓	0815	1555	-30	-5	AA	TM	2.7	1493	0059		X	X					
-4 3	IA-4		0817	1555	-30	-5	AA	TM	2.7	421	0143		X	X					
-5 4	IA-5		0821	1602	-30	-5	AA	TM	2.7	115	0113		X	X					
-3 5	IA-3		0911	1640	-30	-6	AA	TM	2.7	416	0154		X	X					
6	IA-6		0908	1640	-30	-6	AA	TM	2.7	133	0427		X	X					
7	IA-7		0907	1640	-30	-5	AA	TM	2.7	232	0139		X	X					
8	IA-8		0910	1640	-30	-8	AA	TM	2.7	531	0069		X	X					
9	North System Influent		1520	1726	-30	-6	SV	TM	2.7	1748	0347		X						
10	South System Influent	↓	1515	1815	-30	-12	SV	TM	2.7	1727	0335		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: C

Rel: Paul Gilbert 12/31/09 11:00

Relinquished By:	Date/Time	Received By:	Date/Time:
T. Melia	12/29/09 17:25	Kevin Hoewelde	12/30/09 1205
Kevin Hoewelde	12/30/09	S. Isoseth	12/30/09 1435
S. Isoseth	12/30/09	T. Randall	12/30/09 1720
T. Randall	12/30/09	Paul Gilbert	12/31/09 9:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

12/31/09

Form No: 101-02 (19-Jun-09)

APPENDIX C

DRAFT INSTITUTIONAL CONTROLS

CERTILMAN BALIN

1393 VETERANS MEMORIAL HWY., SUITE 301S
HAUPPAUGE, NY 11788
PHONE: 631.979.3000 • FAX: 631.979.7070
www.certilmanbalin.com

JAMES P. RIGANO
PARTNER
TELEPHONE 631.979.3000
jrigano@certilmanbalin.com

February 4, 2010

Removal Action Branch (3 copies)
Response and Prevention Branch
U.S. Environmental Protection Agency
2890 Woodbridge Ave., Bldg. 209 (MS-211)
Edison, NJ 08837
Attn: Computer Circuits Superfund Site,
On-Scene Coordinator

U.S. Environmental Protection Agency (3 copies)
NY Remediation Branch
Emergency & Remedial Response Div.
290 Broadway, 20th Floor
New York, NY 10007-1866
Attn: Computer Circuits Site,
Remedial Project Manager

Chief, NY/Caribbean Superfund Branch (1 copy)
Office of Regional Counsel
US Environmental Protection Agency
290 Broadway, 17th Floor
New York, NY 10007-1866
Attn: Henry Guzman, Computer Circuits
Superfund Site, Site Attorney

Hazardous Waste Remediation Bureau (2 copies)
NY State Dept. of Environmental Conservation
625 Broadway
Albany, NY 12233-7010
Attn: Computer Circuits Superfund
Site Project Manager

Re: Computer Circuits Superfund Site
Hauppauge, New York
Draft Declaration of Covenants and Restrictions

Dear Madam or Sir:

Enclosed please find a draft of the Declaration of Covenants and Restrictions.

Very truly yours,

James P. Rigano

JPR/kad
Enclosures
cc: K. Almskog (w/enc.) ✓

DRAFT

DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT, made the ___ day of _____, 2010, by 145 Marcus Blvd., Inc, a corporation organized existing under the laws of the State of New York and having an office for the transaction of business at 79 Village Hill Drive, Dix Hills, New York 11746.

WHEREAS, 145 Marcus Blvd., Inc. is the subject of an Administrative Order For Remedial Action issued by the U.S. Environmental Protection Agency (EPA) to 145 Marcus Blvd., Inc. under Section 106(a) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, for that real property located at 145 Marcus Boulevard, Hauppauge in the Town of Smithtown, County of Suffolk, State of New York, which consists of one parcel conveyed as follows: (1) by MCS realty Co. to 145 Marcus Blvd., Inc. by deed dated October 31, 1991 and filed in the Suffolk County Clerk's Office on November 26, 1991 at Liber # 11376, Page # 0177 also known as District 0800, Section 185.00, Block 01.00, and Lot 009; and the property being more particularly described in Appendix "A", attached to this declaration and made a part hereof, and hereinafter referred to as "the Property"; and

WHEREAS, the EPA requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, 145 Marcus Blvd., Inc. for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions consists of the property described in Appendix A.

Second, the owner of the Property shall restrict the use of the groundwater underlying the Property without treatment rendering it safe for drinking water unless the user first obtains permission to do so from the EPA or if the EPA shall no longer exist, any government agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency".

Third, the owner of the Property shall restrict new construction outside the existing building, or, if inside the existing building, then if it will cause disruption of the slab or impact the remediation or monitoring systems, unless the potential for vapor intrusion is evaluated and, if necessary, mitigated.

Fourth, the owner of the Property shall restrict use of the Property to commercial or industrial uses.

Fifth, the owner of the Property hereby grants access rights to EPA or EPA's designated agent for the purpose of ensuring compliance with the Administrative Order.

Sixth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding up on all future owners of the Property, and shall provide that the owner, and its successors and assigns, consents to enforcement by the Relevant Agency of the prohibitions and restrictions of the Administrative Order and hereby covenants not to contest the authority of the Relevant Agency to seek enforcement.

Seventh, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below

145 Marcus Blvd., Inc.

By: _____
Name:

STATE OF NEW YORK)
)SS:
COUNTY OF SUFFOLK)

On the ___ day of _____, in the year ____, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individuals whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their capacities, and that by his signatures on the instrument, the individuals, or the persons upon behalf of which the individuals acted, executed the instrument.

_____
Notary Public

APPENDIX A

BEGINNING at a point on the easterly side of Marcus Blvd. distant 627.45 feet northerly from the northerly end of the curve connecting the easterly side of Marcus Blvd. with the northerly side of Kennedy Drive; running thence North 3 degrees 17 minutes 15 seconds West 311.14 feet along the easterly side of Marcus Blvd.; running thence North 86 degrees 42 minutes 45 seconds East 350.00 feet; running thence South 3 degrees 17 minutes 15 seconds East, 311.14 feet; running thence South 86 degrees 42 minutes 45 seconds West, 350.00 feet to the easterly side of Marcus Blvd. at the point or place of BEGINNING. Said premises are also known and described as 145 Marcus Boulevard, Hauppauge, New York 11788.